Volume 162 No. 18

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

November 3 1952

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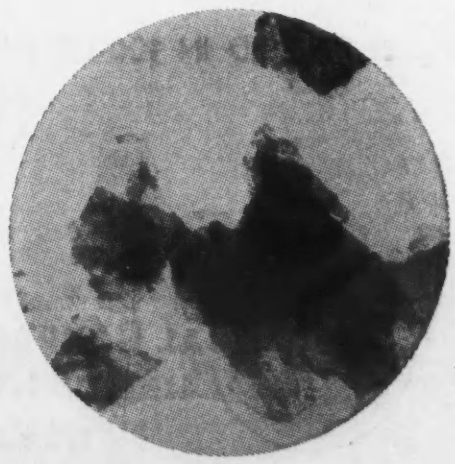

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Allethrin Seen Hitting 600,000 Pounds by '54

The Department of Agriculture reported last week that industrial production of allethrin is expected to reach 600,000 pounds annually by 1954-55 as a result of expansion programs now under way or contemplated by private industry. During the first full year of commercial production of the insecticide, which was first synthesized by department chemists in 1949, manufacturers marketed 50,000 to 60,000 pounds.

Developed and tested by researchers of the USDA's Bureau of Entomology and Plant Quarantine, allethrin has proved itself a successful substitute—in many cases a replacement—for pyrethrum. In the past, and especially during World War II, pyrethrum flowers, from which the natural insecticides are obtained, have not been readily available in the United States, USDA said. Japan was the major source of pyrethrum for the US before the war. Since then, imports have been chiefly from Kenya Colony and the Belgian Congo. In the last year, the allethrin produced in this country was equivalent to about half the pyrethrum imported during the year. Allethrin prices have declined from $55 a pound in 1950 to $2 a pound in 1952.

Allethrin, like pyrethrum, is reported non-toxic to humans and yet provides a quick knock-down of many common household pests. For example, it was said a fly or mosquito flying into an aerosol mist of allethrin will be paralyzed and knocked down in mid-flight. It also is effective against a wide variety of insects including the body louse, cattle lice, chrysanthemum aphids, foxglove aphids, and the tobacco moth.

It required fifteen years to determine the composition of the four major insecticidal compounds (pyrethrins I and II and cinerins I and II) contained in pyrethrum flowers. Selecting cinerin I was the least complex of the four to develop synthetically, USDA chemists spent another two years re-assembling the component chemicals in the right order to make allethrin.

Chemical Industry Needs 25 Percent Power Boost

The chemical industry will need an increase of nearly 25 percent in available power supplies to reach the production expansion goals that have been set up for the industry, according to the Defense Electric Power Administration.

Power consumption of the industry in producing the products scheduled for expansion now amount to 41,100,000,000 kilowatt hours, and will increase to 46,700,000,000 KW next year 48,400,000,000 KW in 1954 and to 50,80(,000,000 KW in 1955 when most of the expansion programs will be completed, the agency's survey shows.

Increases in electric energy required by the chemical industry in reaching its production expansion goals are greater than those of any other industry except in the case of nonferrous metals manufacturers. Owing almost entirely to the expansions in aluminum production, the power requirements of the nonferrous metals industry are expected to rise from 30,800,000,000 KW this year to 52,100,000,000 in 1955. Power requirements of other industries are expected to increase only by small amounts over this period.

Cottonseed Feed Products Price Regulation Amended

The cottonseed feed products ceiling regulation, CPR 167, was amended by the Office of Price Stabilization October 31 to require that cottonseed sized cake be separated into uniform classes in order to qualify for the sized cake differential. The amendment, redefines sized cake to include nut-size cake, sheep-size cake, pea-size and pebble-size cake.

The amendment, effective November 5, also authorizes processors who transfer cottonseed slab cake from one plant to another for conversion into meal, sized cake, plee pellets and cubes to add inbound transportation costs to their ceilings. Another amendment allows a $2 differential in the ceiling prices of cottonseed feed products produced in eastern Tennessee over the rest of the state to take care of higher inbound transportation costs.

Fatty Acid Production Down Slightly in Sept.

Fatty acid production totaled 27,772,000 pounds in September, down slightly from the 29,562,000 pounds in August, according to figures released by the fatty acid division of the Association of American Soap and Glycerine Producers.

Shipments rose slightly, moving from 28,800,000 pounds in August to 29,246,000 pounds in September. The gain was concentrated in the saturated acid class, particularly lauric-type acids. Total stocks at the end of September were 40,264,000 pounds, a decrease from the 42,993,000 pounds reported for August. The drop in stocks was distributed over all types.

Oil Firms Seek Shift In Cartel Probe to N.Y.

The five oil companies fighting a government move to charge them with participating in a world oil cartel in violation of the antitrust laws, appealed to the Supreme Court of the United States October 29 for dismissal of the special District of Columbia grand jury or transfer the investigation to New York where most of the company records are maintained.

The petition, which seeks a review and reversal of lower court refusals to discharge the grand jury was filed by California Texas Oil Company, Ltd.; Socony-Vacuum Oil Company, Inc.; Standard Oil Company of California; the Texas Company, and Arabian American Oil Company. They charged that fourteen of the twenty-three members of the grand jury are government employees and therefore it cannot be considered to be a "fair and impartial jury."

In another phase of the government's action against these and a number of other companies involved in the cartel charges, Federal Judge James R. Kirkland in the District of Columbia Court narrowed the scope of the subpoenas to cover the books and records of the companies going back to January 1, 1941. The government had asked for records going back a quarter of a century.

CMP Applications Mailed

The National Production Authority announced October 31 that CMP-4B applications for controlled materials for the second quarter of 1953, together with instruction sheets, have been mailed to all listed producers of class B products. Final date for submitting the applications is December 1.

FDA Revises Regulations For Antibiotic Preparations

A number of changes in the regulations covering the certification of antibiotic preparations were announced last week by the Federal Food and Drug Administration to meet new developments in the processing of these drugs. The changes provide for:—

Tests and methods of assay and certification of the new antibiotic preparations aureomycin calcium syrup, streptomycin-kaolin-pectin-aluminum hydroxide gel powder veterinary, dihydrostreptomycin-kaolin-pectin-aluminum hydroxide gel powder veterinary, and bacitracinpolymyxin tablets; for certification of aureomycin suppositories intended for rectal use and requiring the labeling of all aureomycin suppositories to bear the refrigeration statement.

Also, for deletion of the requirement as to the minimum-size container of buffered penicillin powder; for a change in the packaging and labeling requirements for antibiotics intended for use solely in laboratory procedure in connection with the diagnosis or treatment of disease and conspicuously so labeled; and for a change in the expiration date of dibenzyl-ethylenediamin dipenicillin G oral suspension from eighteen to twenty-four months.

Acetylsalicylic Acid

Also, for the addition of acetylsalicylic acid, acetophenetidin, caffeine, and one or more suitable antihistaminics to tablets containing penicillin; for a change in the size of the volumetric flask used in the assay of procaine penicillin and buffered crystalline penicillin for aqueous injection from a twenty-five-milliter size to a fifty-milliliter size.

Also, for the use of suspensions of procaine penicillin and buffered crystalline penicillin for aqueous injection for up to four weeks if the person who requests certification has proved his drug to be stable for such period of time; for deletion of the requirement that immediate containers

—*Continued on page 80*

Selenium Exporters Start Filing for Licenses Today

Exporters of selenium powder and metal were advised last week by the Office of International Trade to submit their applications during the period November 3 through November 17 for export licenses covering fourth quarter shipments.

These products are under total allocation by the National Production Authority, and past experience has shown that export quotas have been heavily oversubscribed. In order that OIT may give equitable consideration to all such applications, it was explained, they have therefore been placed under timetable submission dates.

Nitraphosphate Output Plans in West Revealed

Applications are pending with the National Production Authority and the Defense Production Administration from Allied Chemical & Dye Corporation for certificates of necessity opening the way to the building of two huge nitrophosphate plants in the west, capable of turning out about 200,000 tons of material a year each.

The senate committee on interior and insular affairs, which made the disclosure in a report on production and use of fertilizer from western mineral resources, said that one of the plants, costing $27,000,000, is proposed to be located at Pasco, Wash., and the other, costing about the same, is to be erected at La Platte, near Omaha, Neb. This would be in addition to a $25,000,000 nitrogen plant already under way at that site.

The plant at Pasco would be the largest fertilizer plant in the northwest, the committee report commented. It added that both plants would be integrated fertilizer plants, and use a process in the making of nitrophosphate similar to that developed by TVA. The applications of Allied Chemical for certificates that would permit the rapid amortization of the plants for tax purposes, are still pending in NPA. They were filed October 22.

Wyoming Plant Projected

In addition to these plants and several others, either in the building or planning stage, the report released last week by the committee advocated the building of another large plant to service the fertilizer needs of the western areas. This one would be located in central Wyoming and designed to produce between 80,000 and 125,000 tons of nitrophosphate a year. The plant would cost from $10,000,000 to $15,000,000.

Jesse J. Friedman, chief of the economic review staff of the office of industry and commerce, Department of Commerce, who made the study of a projected fertilizer industry in the west for the senate committee, reported that the potentials are great for large scale production and use of fertilizers in this area. Central Wyoming was selected as a site for the plant suggested in the report because of its close proximity to raw material supplies.

To support an active fertilizer industry, Mr. Friedman pointed out that the follow-

—*Continued on page 82*

RFC Assigns Appraisal Job On Rubber Units to Parsons

A low bid of $114,000 was submitted last week by Ralph M. Parsons Company of Los Angeles, Calif., for an engineering appraisal of the present value of the synthetic rubber facilities now owned by the Reconstruction Finance Corporation. The appraisal will be part of the development of a plan for the disposal of the twenty-three plants.

Industry representatives who have been conferring with RFC officials on the disposal program had recommended the appraisal. The facilities to be appraised consist primarily of a number of copolymerization plants, butadiene production facilities, a styrene plant, and several related facilities.

A plan for disposal of the government-owned synthetic rubber facilities is due to be submitted to the President by March 1, 1953.

UK Whale Oil Output To Be Sold to Govt.

The entire output of whale oil from the 1952-53 catch of the British and South African Antarctic companies will be sold to the British Ministry of Food, according to an agreement reported by William Kling, assistant agricultural attache, American Embassy, London. The price is to be determined by a formula but will not be less than £70 per long ton ($175 per short ton) or more than £78 ($195) for No. 1 whale oil.

Last year the Ministry of Food bought the output of two expeditions (those in which public investment interest is concentrated) at £110 per ton ($275). The ministry subsequently purchased oil from the other United Kingdom expeditions at considerably lower prices than had been offered to them in the first instance.

US Signs Accord With Britain and Alcan To Make Up Aluminum Supply Loss Here

At the request of the United States government, the British government and the Aluminum Company of Canada have agreed to an arrangement which will supply this country with an additional 77,000,000 pounds of aluminum for delivery during December, 1952, and the first two quarters of 1953, it was announced October 29 by Samuel W. Anderson, deputy administrator for aluminum in the Defense Production Administration.

Mr. Anderson had asked both the British Government and Alcan for assistance because of the serious loss of aluminum production in the United States caused by power shortages in the Pacific northwest and Tennessee Valley.

These shipments will result from an additional diversion during December, 1952, and the first quarter of 1953 of 44,000,000 pounds under contract for shipment to the United Kingdom, together with 33,000,000 pounds which were to be returned to the United Kingdom under the terms of similar arrangements made in 1951 and early in 1952.

Terms of Earlier Pacts

Under the terms of these earlier arrangements, the British government diverted 55,000,000 pounds of Canadian aluminum to the United States, of which the 33,000,000 pounds forms part.

This earlier diversion, combined with the current diversion of 44,000,000 pounds, make up a total diversion of 99,000,000 pounds. Of this total, 22,000,000 pounds is to be returned to the United Kingdom under a revised schedule during the second quarter of 1953, and the balance deferred into 1954 and 1955. The return schedule would, however, be accelerated if a situation should arise which would require substantial increases in British aluminum needs for defense purposes or if their supplies were to be substantially reduced by events over which they have no control.

Previous Canadian Allocations

The aluminum which this country will receive as a result of this arrangement will be in addition to the metal that Alcan already has allocated to the United States market. Expected shipments to this country for the fourth quarter of 1952 by Alcan will now total approximately 80,000,000 pounds. Shipments from Canada for the first quarter of 1953 are expected to be about 85,000,000 pounds.

The Canadian metal will be sold by the Alcan in this country in accordance with distribution controls exercised by the National Production Authority under the defense production act.

Methylene Chloride Plant Gets Tax Aid

Issuance of a certificate of necessity to the Allied Chemical & Dye Corporation for rapid amortization of a new plant at Moundsville, W. Va., costing $2,500,000 for the production of methylene chloride, was announced October 28 by the Defense Production Administration. The certificate permits accelerated write-off of 60 percent of the cost of the plant.

This certificate was the only one in the area of the chemical industry announced by the agency in its current weekly report of tax certificate approvals. However, certificates were issued to two large petroleum projects and one metallurgical coke project.

These three certificates were:—Petroleum products pipeline of the United States Pipe Line Company, New York, 40 percent allowed on $2,610,000 and 25 percent allowed on $137,171,000; petroleum refining facilities of Standard Oil Company of California, El Segundo, Calif., 15 percent allowed on $275,000, 65 percent allowed on $20,375,000, 90 percent allowed on $1,680,000, and 50 percent allowed on $4,940,000; metallurgical coke plant of the Great Lakes Carbon Corporation, St. Louis, Mo., 55 percent allowed on $10,505,000.

Since the beginning of the mobilization program, certificates for rapid amortization have been issued for 14,262 new or expanded facilities costing $23,155,026,000. Of this amount 61 percent or $14,165,368,000 is eligible for accelerated amortization.

Int'l Minerals Set to Absorb Consolidated Feldspar Corp.

Consolidated Feldspar Corporation has agreed to sell substantially all of its assets to International Minerals & Chemical Corporation, Chicago, in exchange for 108,534 shares of International's common stock, according to a joint announcement by Louis Ware, International's president, and A. J. Fink, chairman of the board of Consolidated. The acquisition is scheduled to take place on November 28, subject to the approval of Consolidated stockholders.

The agreement contemplates the dissolution of Consolidated following the transfer of assets, the assumption by International of Consolidated's liabilities and the distribution of the 108.534 shares of International common stock among Consolidated's common and preferred stockholders at the ratio of one share of International's common stock for each two and one-half shares of Consolidated's common stock and two shares of International common stock plus a cash distribution for each one share of Consolidated's preferred stock.

Consolidated is primarily a producer of feldspar and also produces aplite, mica, lepidolite, flint and beryl. It operates thirteen plants in the United States and one in Canada and owns substantial mineral reserves. The proposed acquisition, if consummated, will be added to the industrial minerals division of International headed by Norman J. Dunbeck, vice-president.

Small Firms Get Share Of Barite, Asbestos Goals

Small business shares for two industrial expansion goals of the Defense Production Administration—barite ore and chrysotile asbestos of strategic grades—were announced October 27 by the Small Defense Plants Administration.

The small business share of the barite ore goal was set at 32 percent. The goal is an annual supply of 1,360,000 short tons in 1955, consisting of 1,000,000 tons of drilling-grade barite and 360,000 tons of chemical-grade barite. These represent increases of 420,000 tons and 40,000 tons respectively over 1951 supply. Rapid tax amortization certificates are still available for 220,000 tons of drilling grade barite, and for the entire amount of the increase in chemical-grade barite. For the purpose of the barite ore goal, small business is defined as firms with 150 employees or less.

The small business share of the crysotile asbestos goal has been set at 25 percent of the goal of 6,000 short tons of production a year by 1954, which is an increase in the strategic grade of 3,965 tons a year over the rate of supply in 1951. Rapid tax amortization certificates are available for the entire amount of the increase. For the purpose of this goal, small business firms are defined as those with 2,500 employees or less.

Stauffer Executive V. P.

Hans Stauffer has been appointed executive vice-president of Stauffer Chemical Company. Mr. Stauffer has been a vice-president and the general manager of the company since 1941.

Oil, Gas Decontrol Bid Rejected by OPS Head

The Office of Price Stabilization has again turned down an industry request for suspension or decontrol of crude oil and natural gas price curbs, it was disclosed in a letter from OPS director Tighe Woods to Russell B. Brown of the Independent Petroleum Association of America last week. A similar request of a Texas group was rejected last August.

Mr. Woods informed the IPAA that the industry application failed to show that either crude oil or natural gas could qualify for decontrol under the standards established for such actions. In order to be eligible for decontrol, a product must be selling well below ceiling with no indication that its price will rise substantially in the foreseeable future, or that continued control creates an unwarranted administrative burden on OPS or the industry.

In applying for decontrol, Mr. Brown argued that there was an ample supply of crude oil and no need for price controls.

TGA Scientific Section Meeting Slated Dec. 10

The mid-winter meeting of the scientific section of the Toilet Goods Association will be held December 10 at the Waldorf-Astoria hotel, New York. The following papers will be presented:—

"Fatty Acids in Cosmetics, II," William G. Griffin and Phyllis J. Carter, Atlas Powder Company, Wilmington, Del.; "Cutaneous Antiseptic Activity of 2,2'-Thiobis (4,6 Dichlorophenol) . . . Acamer," M. C. Hunter, D. P. Roman and R. S. Shumard, organic chemicals division of Monsanto Chemical Company, St. Louis, Mo.; "Some Effects of Waving Lotions on the Mechanical Properties of Hair," W. J. Hamburger and H. M. Morgan, Fabric Research Laboratories, Boston, and "A Study of the Effects of Hormones on Hair Growth," Theodore H. Roberts, United Research Laboratories, Inc., Philadelphia.

Also, "A Technic for Obtaining Infra-Red Spectra of Water Soluble Gums," S. H. Newburger, John H. Jones and G. R. Clark, division of cosmetics of the Food and Drug Administration; "The Role of the Neutralizer in Cold Waving," Ros Whitman, vice-president in charge of research, Rayette, Inc., St. Paul, Minn; "Infra-Red Spectrophotometric Examination of Aromatic Chemicals," Harry G. Lundin, Moody L. Crowder and Walter A. Taylor, Pond's Extract Company, Clinton, Conn., and "Recent Dermatologic Data of Interest to the Cosmetic Industry," Dr. Samuel M. Peck, associate clinical professor of dermatology at Columbia University and director of dermatology at Mt. Sinai Hospital, New York.

OPS Price Operations Head Continuing in Post

Edward F. Phelps, jr., director of the office of price operations of the Office of Price Stabilization, has agreed to continue with the agency for an additional period of time, it was announced October 29 by price director Tighe E. Woods. Mr. Phelps, who has been director of price operations since OPS was established, had indicated last summer that he would like to be relieved of his duties in the early fall. At the request of Mr. Woods, he has now consented to remain somewhat longer.

Price Index Declines

The overall OPD price index declined 0.08 point last week. As has been the case in recent weeks, the fats, oils and waxes market figured predominantly in influencing the index trend. Price advances in this market included capric, caprylic and lauric acids as well as coconut, crude menhaden, refined peanut, palm and soybean oils. Major reductions were copra, soybean meal and corn and tung oils.

In the essential oils market, citronella oil as well as such derivatives as citral, citronellol and citronellal were reduced. Linalool and lialyl acetate, both ex bois de rose, were also reduced, along with methyl ionone. In the botanicals market, spices were the leading feature last week. Advances included Czech, Moroccan and Spanish paprika, Madagascar and Zanzibar clove as well as Saigon cassia. Price reductions in this market were black, spot pepper and Copaiba, Peru and Tolu balsam.

There were no price changes in the heavy chemicals or coaltar chemicals markets last week. No. 2 furnace oil was reduced in the petroleum derivatives section. The agricultural chemicals market was down slightly, with reductions in dried blood and tankage.

The textile and leather chemicals section was marked by price advances in African mangrove bark and valonia beards and cups. Among reductions noted were sumac leaf, egg yolk and corn dextrin and starch. In the drugs and fine chemicals section, there was an additional advance in the nominal quotation for Brazilian castor beans. Reductions here included para-aminosalicylic acid and its sodium salt as well as USP zinc oxide, theobromine alkaloid and salts, along with sulphathiazole and its sodium salt. The protective coatings market, meanwhile, last week reflected an earlier decline in zinc metal, with reduced prices in zinc dust and oxide. Shellac, TN, was also among the items reduced.

Except for nineteen changes in botanicals listed on page 67, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Acid, capric, 1c. per lb. (76).
Caprylic, 1c. per lb. (76).
Lauric 90%, ¼c. per lb. (76).
60%, ½c. per lb.
Castor beans, $10 per long ton, f.o.b. Brazil, nominal.
Fuel oil, furnace No. 2, Group 3, ½c. per gal. (48).
Mangrovebark, Afr., $1 per ton (45).
Oil, birch tar, crude, 20c. per lb. (69).
Rectified, 20c. per lb.
Coconut, crude, ¼c. per lb.
ref., 2 per lb.
Cottonseed, crude, ½c. per lb. (76).
ref., ½c. per lb.
Grapefruit, 25c. per lb. (69).
Menhaden, crude, ½c. per lb. (76).
Palm, ½c. to 1c. per lb. (76).
Peanut, ref., ½c. per lb. (76).
Sandalwood, 75c. per lb. (69).
Soybean, crude, ¼c. per lb. (76).
ref., ¼c. per lb.
Rice starch, 2c. per lb. (45).
Valonia beard, $3 per ton (45).
Cups, $2 per ton.

Prices Reduced

Acid, myristic, ½c. per lb. (76).
Para-aminosalicylic, 20c. per lb. (55).
Blood, dried, 25¢ per unit of ammonia (46).
Citral, 20c. per lb. (69).
Citronellal, 5c. per lb. (69).
Citronellol, 25c. per lb. (69).
Copra, $5 per ton
Corn dextrin, 15c. per 100 lbs. (45).
Starch, 15c. per 100 lbs.
Sugar, tanners, 1c. per 100 lbs.
Syrup, 42°, 15c. per 100 lbs. (55).
Egg yolk, 3c. per lb (45).
Hydroxycitronellol, 3c. per lb. (69).
Lard, ½c. per lb. (76).
Linalool, ex bois de rose, 35c. per lb. (69).
Linalyl acetate, ex bois de rose, 90-92%, 25c. per lb. (69).
Methyl ionone, 10c. per lb. (69).
Molasses, blackstrap, feed grade, ½c. per gal. (55).
Oil, corn, crude, ¼c. per lb. (76).
ref., ¼c. per lb.
Cubeb, $1.35 per lb. (69).
Ginger, 50c. per lb. (69).
Peppermint, natural, 15c. per lb. (69).
Redistilled, 10c. per lb.
Tung, ¼c. per lb.
Potato starch, imp., spot, ½c. per lb. (45).
Shellac, TN, 1c. per lb. (73).
Sodium para-aminosalicylate, 25c. per lb. (55).
Soybean meal, $2.50 per ton (76).
Sulphathiazole, 70c. per lb. (55).
Sodium, 70c. per lb.
Sumac leaf, $5 per ton (45).
Tankage, 50c. per unit of ammonia, New York (46).
Chicago, 25c.
Terpineol, prime, 1c. per lb. (69).
Theobromine, 75c. per lb. (55).
Salicylate, 50c. per lb.
Sodio-salicylate, 50c. per lb.
With sodium acetate, 50c. per lb.
Zinc dust, 1c. per lb. (73).
Oxide, lead-free, ½c. per lb.
leaded, 35%, 0.35c. per lb.
50%, ¼c. per lb.
French process, green seal, ½c. per lb.
red seal, ½c. per lb.
white seal, ¼c. per lb.
USP, ½c. per lb. (55).

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OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

October 31, 1952	October 24, 1952	November 2, 1951
109.39	109.47	116.22

Oil, Paint and Drug Reporter, Vol. 162, No. 18, November 3, 1952. Published every Monday by Schnell Publishing Company, Inc., 30 Church Street, New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1952, by Schnell Publishing Company, Inc.

Argentine Linseed Oil Export Surplus Is Told

Argentina held a large supply of exportable linseed oil—possibly as much as 150,000 tons—as of mid-October because of high price quotations and small sales so far this year, according to C. A. Boonstra, American agricultural attache, Buenos Aires. Flaxseed available for crushing was very small but there is a substantial carryover from 1951 which has not been sold, he said.

Mr. Boonstra reported that flaxseed planting for the 1952-53 crop was completed in September under favorable weather and moisture conditions, with an area unofficially estimated at 2,500,000 to 2,700,000 acres. Last year only 1,600,000 acres were planted because of drought conditions. This year's plantings are likely to yield 23,600,000 to 27,600,000 bushels, about double last year's poor harvest of 11,900,000 bushels.

Linseed Oil Output

Production of linseed oil in 1952 is estimated at 77,000 short tons. A large quantity, now believed near 143,000 tons (revised), was carried over from 1951. This brings the supply of oil to 220,000 tons of which 33,000 tons may be used in Argentina. The 1952 exportable supply now appears about 187,000 tons. January-August exports amounted to 32,000 tons, leaving 155,000 tons available as of September for export and/or carryout.

The 1951-52 tung crop, now being crushed, is probably not more than 55,000 tons in contrast to the record 94,580 harvest of 1950-51. Oil production therefore will be at a reduced level until mid-1953, totaling perhaps 7,700 tons against 14,330 last season. The bloom in September this year was exceptionally heavy without frost damage. If conditions remain favorable, the 1953 harvest may approach 100,000 tons, exceeding the previous record.

All Edible Oils

Production of all edible oils in the crushing season which began last April 1 is expected to be near 242,500 tons, well below recent years because of the small 1951-52 sunflower seed crop. This, however, provides an export surplus of perhaps 33,000 tons, and in addition there is a carryover of some 22,000 tons of sunflower seed oil from the previous crop. Total exportable supplies thus appear to be 55,000 tons.

Rohm & Haas Co. Elects D. Murphy Vice-President

Rohm & Haas Company, Philadelphia, has elected Donald F. Murphy a vice-president of the concern. Mr. Murphy joined the firm in 1930 as an entomologist, and later was named head of its entomology laboratory in Bristol, Pa. In 1943 he was named sales manager of the agricultural and sanitary chemicals department, and in recent years has, in addition, directed sales of the Rohm & Haas textile and export departments. Mr. Murphy was appointed assistant secretary of the company last year.

P.A.'s-Eye View of Business

Composite view, November 2, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

Industrial purchasing agents report October business remains at the high level reached after the steel strike. Order books continue to increase, but at a slackened pace. Production shows an inclination to level off. Last month, these buyers predicted good business would continue through the middle of December. The majority of this month extend that forecast well into the first quarter of 1953, with the usual lull for holiday and inventory taking. Prices show a tendency to flatten out or decline, as foreign and future markets register lower prices. Many believe a buyers' market is in the making. Industrial materials inventories hit a new low and are coming into better balance. Employment remains high, as holiday and winter goods production reaches its peak. The brief coal strike had no retarding effect on industry. Buying policy is in line with orders on the books and production schedules, and is conservative.

The election appears to have had little bearing on current business. Some comments indicate contemplated expansion and replacement programs have been deferred until a clearer view of the future can be had.

Commodity Prices

October reports indicate the price push following the steel strike has spent itself, and the current trend is to level off or decline a bit. While "pass-through" increases result from the steel advance and a three-price copper market, the pressure on the low side from sharp declines in lead and zinc are balancing factors. More salesmen are calling. Competition is increasing. Supply is catching up with demand, and purchasers are expecting a steady movement toward a buyers' market.

Inventories

Industrial materials inventories continue the down trend reported for many months. More materials are in easier supply, including many items of steel; so, inventories are reaching better balance. Current production schedules are high, but of short range, which is limiting stocks and commitments. There is nothing in the present industrial picture that would lead to scare buying or speculation in commodities.

Employment

October employment records show a leveling off at the high pay rolls reached since the steel strike. More overtime is being used to accelerate production of holiday and Winter goods. Skilled mechanics are scarce in most areas, as are qualified office workers. Many strikes are scattered across the country. No serious effect from the coal strike has been seen.

Buying Policy

Forward commitment range is still predominately within a ninety-day coverage, 91 percent holding to this conservative policy. There has been a slight increase in the number in the 120-day bracket, the first such movement noted since last January, and supporting their forecast of high-level business into the first quarter of 1953.

Specific Commodity Changes

Overall, there are more price decreases reported this month than increases, zinc and lead recording the sharpest declines, attributed to weakness in foreign markets. Reported up were bolts and nuts, burlap,

—*Continued on page 82*

Monsanto Appoints Hammer Head of Organics Marketing

The appointment of John L. Hammer, jr., to the position of director of marketing for Monsanto Chemical Company's organic chemicals division in St. Louis, Mo., was announced October 29 by John L. Gillis, vice-president and general manager.

John L. Hammer, Jr.

Mr. Hammer, who has been vice-president in charge of sales and a director of Smith, Kline & French Laboratories, Philadelphia, will assume his new duties December 1.

Monsanto's new organics marketing director began his business career with the Chase National Bank in New York. After three years with the Chase bank, Mr. Hammer went to Smith, Kline & French Laboratories in 1937. Ten years later, he was named sales manager and in 1948 was placed in charge of the public relations department as well as sales. In 1950, he was appointed a director of the company and a vice-president.

Sodium Sales Now Handled By USI for Nat'l Distillers

U. S. Industrial Chemicals Company, division of National Distillers Products Corporation, New York, has assumed the responsibility for the sale of metallic sodium manufactured by National Distillers Chemical Company, Ashtabula, Ohio, also a division of National Distillers Products.

Harry R. Tennant, sales engineer, has been transferred from Ashtabula to the New York office of USI to handle all matters pertaining to sodium. His work with users and potential users of sodium will be under the supervision of Warren E. Johnson, USI manager of chemical sales.

With the transfer, metallic sodium now will be sold and serviced through all of the USI sales offices. The research division of National Distillers Chemical is located in Cincinnati, Ohio, and the change in sales activities has not affected the administration of this phase of the metallic sodium program.

Heyden Antibiotics Technical Sales Post to Elmer Smith

Elmer Smith has been appointed manager of technical sales of the antibiotics division of Heyden Chemical Corporation. Mr. Smith has been superintendent of finished products in Heyden's Princeton, N. J., antibiotics division for the past three years, and has been associated with Heyden since 1944. In his new post, Mr. Smith will have responsibility for expansion of technical service activities on antibiotics and animal feed supplements.

Mathieson Elects Director

Mathieson Chemical Corporation, Baltimore, Md., has elected Benjamin H. Griswold, 3rd, a director of the company, Thomas S. Nichols, president and board chairman, has announced. Mr. Griswold is a partner in the investment banking company of Alex. Brown & Sons.

Washington Talks It Over

By Ralph L. Cherry

Every federal government department except one is spending money faster this fiscal year than last year—and the sharpest increases are in the strictly civilian agencies. Labor and Agriculture have set the pace with a 60 percent increase over last year, and State runs close behind with a 53 percent increase. Only Justice is spending less, and this is because of a sharp drop in spending by the FBI.

This depressing bit of information was uncovered recently by the US Chamber of Commerce in a survey of government fiscal operations, and led to some pithy comment from Dr. George Cline Smith of the chamber's government economy section. He said that despite assurances that the national budget is geared strictly to defense needs, spending-as-usual is the policy throughout the government. The fact that non-defense activities are actually growing points up all the more need for closer scrutiny of the budget by the next congress, he added.

Total spending for the first three months was $17,830,000,000 or 19 percent more than the same period last year. Excluding the major defense-related programs, including the Defense department, Atomic Energy Commission, Mutual Security Agency and Veterans' Administration, the remaining strictly civilian agencies spent $4,203,300,000, or about 8 percent above the same three months last year.

The so-called "independent" agencies got into the act also. They likewise increased their rate of spending 8 percent.

Political Ads and Taxes

The Bureau of Internal Revenue has adopted a very hard-boiled attitude on the question of deducting political advertising as a legitimate expense of a business in figuring taxes, after it got its fingers burned for permitting campaign contributions to be written off as bad debts. In response to many inquiries, the Commissioner of Internal Revenue recently issued the following statement:—

"There has come to the attention of the Bureau of Internal Revenue the facts that certain business corporations are providing newspaper or magazine advertisements, or radio and television programs, which urge voters to prefer one political party over another, with the expectation that the expense of such advertisements or programs may be deductible for income tax purposes.

"In order that there may be no misapprehension on the part of those corporations or of any other taxpayers, the Bureau of Internal Revenue directs their attention to the long-standing rule, based upon departmental regulations, that contributions for political campaign expenses or other expenditures of a political nature are not deductible for income tax purposes. This rule applies whether the pay-

—*Continued on page 36*

SAACI Clinic Probes Selling of Chemicals

The problems of selling chemicals were analyzed from a variety of viewpoints at the first chemical sales clinic of the Salesmen's Association of the American Chemical Industry, held October 28 at the Commodore hotel, New York.

The event, in the planning stage for several years was originally scheduled by SAACI as a two-day meeting for the fall of 1950. However, with the onset of the Korean War, the project was postponed because of the uncertainties created by the war situation. About 280 were in attendance at last week's clinic, and an on-the-spot check of the group revealed an enthusiastic reception to the idea. SAACI spokesmen, while indicating that the initial response was very encouraging, said that a final decision on whether the meeting will become a regular feature of the organization is being held up pending further study of the reaction.

Ralph L. Ericsson, vice-president of Sumner Chemical Company, New York, as keynoter of the program, set the objectives of the clinic. He said the conference was aimed at increasing selling technics, adding to the profession of chemical selling and at making clearer to chemical salesmen the part they must play in attaining professional stature.

Functions of Clinic

A clinic, Mr. Ericsson pointed out, has three functions—diagnosis, instruction and prescription. It was the hope of SAACI, he said, that its sales clinic could "make a beginning at all of these functions."

Noting that salesmen do not enjoy a good reputation with the public at large, he cited the chemical industry as a case in point. The public, he said, generally gives credit to research men for the growth of the chemical industry, despite the fact that "behind every successfully-developed new product as well as the expanding market for older products there is always a salesman somewhere in the picture."

He discarded the notion that selling could improve its public relations by changing its name. "What must be done to give selling professional stature," Mr. Ericsson declared, "is to endow each salesman with the desire for knowledge—knowledge of himself, his job, his company and his industry."

Return to Fundamentals Urged

Bert Cremers, vice-president of the Michigan Alkali Division, Wyandotte Chemicals Corporation, Wyandotte, Mich., discussing the selling of heavy chemicals, sounded a call for a return to the "very elementary fundamentals in industrial selling, which we seem to be overlooking."

Mr. Cremers stated that he saw no basic difference between industrial and consumer selling. "Once we recognize this," he said, "we are on our way to improved selling technics." The salesman must know, he declared, who his customer is and what his needs are.

Among his other points, Mr. Cremers made reference to what he called "multi-level" selling, a type of teamwork employed by many large industrial companies where decisions on purchasing are

—*Continued on page 60*

DuPont Co. to Expand Chattanooga Nylon Plant

Approval of plans for the expansion of facilities to increase the manufacture of continuous filament nylon yarn at the nylon plant of E. I. duPont de Nemours & Co. at Chattanooga, Tenn., was announced last week by W. H. Thalheimer, manager. This action followed the completion of a study announced last August to determine the possibility of a new expansion of nylon yarn production at the Chattanooga plant.

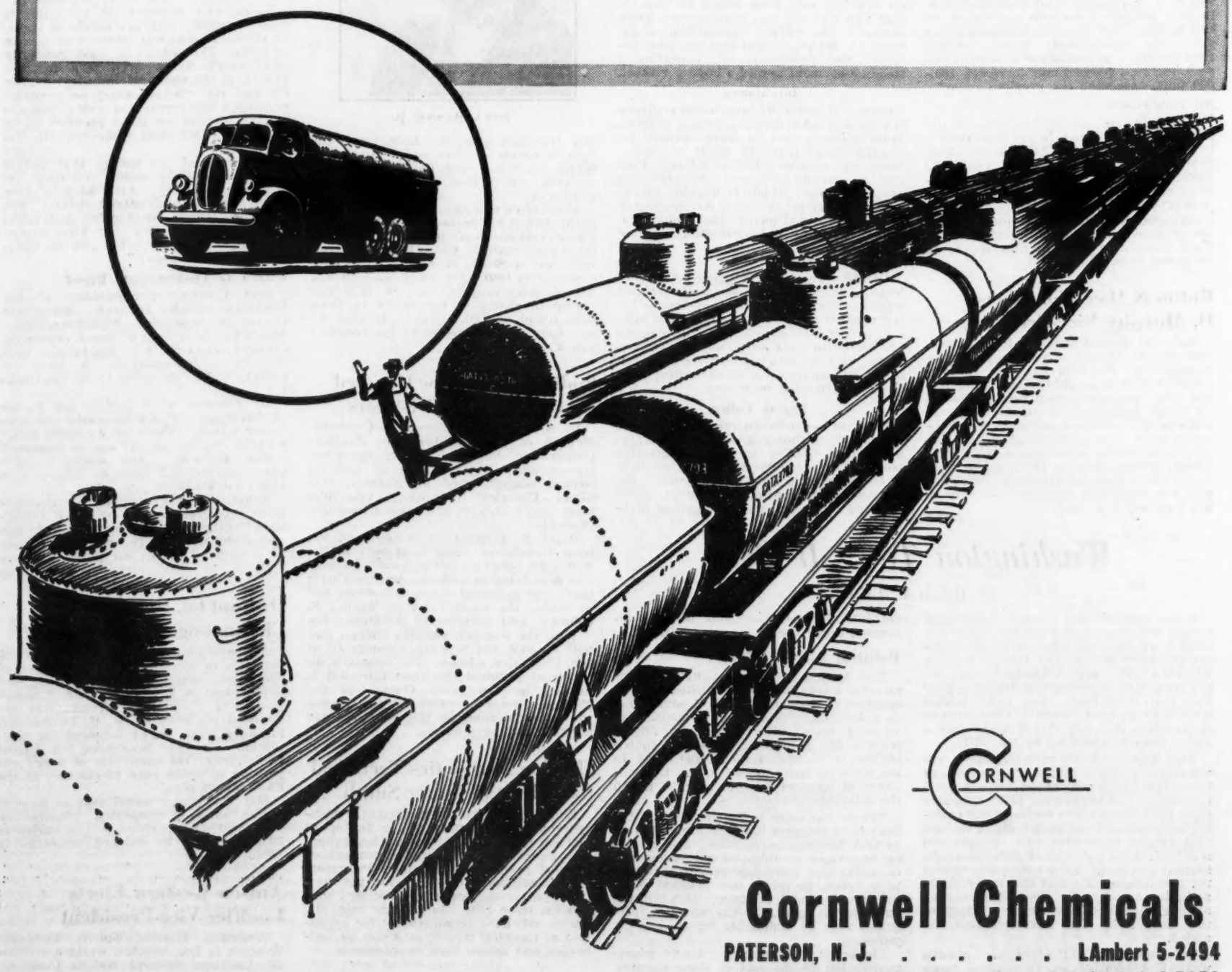
Mr. Thalheimer stated that as soon as design work is completed, construction work will start, perhaps by late spring of 1953, and will be finished sometime in 1955.

Amsco Western Elects Loeffler Vice-President

American Mineral Spirits Company, Western in Los Angeles, western affiliate of American Mineral Spirits Company, Chicago, has elected Fred B. Loeffler a vice-president. Mr. Loeffler will continue to work out of New York where he is in the solvent department of Amsco. In assuming his duties of vice-president, Mr. Loeffler will coordinate the interests of Amsco Western between the east and west coasts. Mr. Loeffler has been with Amsco in New York since 1948.

Sulphuric Acid
Muriatic Acid

Tank Car and Tank Truck Delivery to the Eastern Seaboard



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Executive Offices:
24 East 38th St., New York, N. Y. MUrray Hill 3-0174

Association Meetings

American Association for the Advancement of Science, annual meeting, St. Louis, Mo., December 26-31.

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, Boston, Mass., November 6-8.

American Association of Textile Technologists, annual symposium, Statler hotel, New York, February 3, 1953.

American Council of Commercial Laboratories, annual meeting, Schenley hotel, Pittsburgh, Pa., November 12-14.

American Drug Manufacturers Association, research and development section, Moraine-on-the-Lake hotel, Highland Park, Ill., November 6-8; annual meeting, Boca Raton Club, Boca Raton, Fla., April 13-16, 1953.

American Institute of Chemical Engineers, annual meeting, Cleveland and Carter hotels, Cleveland, Ohio, December 7-10.

American Petroleum Institute, annual meeting, Conrad Hilton hotel and Palmer House, Chicago, November 10-13.

American Pharmaceutical Manufacturers Association, midyear meeting, Waldorf-Astoria hotel, New York, December 8-10; eastern section meetings, Roosevelt hotel, New York, February 2-4, 1953; central section meetings, Edgewater Beach hotel, Chicago, February 8-11, 1953; western section meetings, Los Angeles, February 16-17, 1953; annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., March 30-April 1, 1953.

American Standards Association, annual meeting Waldorf-Astoria hotel, New York, November 25.

Association of Soap and Glycerine Producers, annual meeting, Waldorf-Astoria hotel, New York, January 27-29, 1953.

Chemical Specialties Manufacturers Association, annual meeting, New Yorker hotel, New York, December 7-9.

Combined Contact Committee of ADMA and APMA, Washington hotel, Washington, D. C., November 18-19.

Commercial Chemical Development Association, Statler hotel, Cleveland, Ohio, January 22, 1953; annual meeting, Statler hotel, New York, March 23-24, 1953.

Drug, Chemical and Allied Trades section of the New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 5, 1953.

Electrochemical Society, annual meeting, Sheraton-Mt. Royal hotel, Montreal, Canada, October 26-30.

Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 20-22.

Flax Institute of the United States, annual meeting, Minneapolis, Minn., November 6-7.

Magnesium Association, annual meeting, Biltmore hotel, New York, November 10-11.

Manufacturing Chemists Association, semi-annual meeting and winter conference, Statler hotel, New York, November 25.

National Agricultural Chemicals Association, spring meeting, Jung hotel, New Orleans, La., March 11-13, 1953.

National Fertilizer Association, fall meeting, Roney Plaza hotel, Miami Beach, Fla., November 19-21.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, November 11-19.

National Paint, Varnish and Lacquer Association, annual convention, Palmer House, Chicago, November 17-19.

Plant Maintenance Conference, in conjunction with Plant Maintenance Show, Public Auditorium, Cleveland, Ohio, January 19-22, 1953.

Salesmen's Association of the American Chemical Industry; Christmas party, Waldorf-Astoria hotel, New York, December 10.

Society of Cosmetic Chemists, semi-annual meeting, Biltmore hotel, New York, December 11.

Society of Plastics Engineers, annual technical conference, Statler hotel, Boston, January 21-23, 1953.

Southern Paint and Varnish Production Club, annual meeting, Buena Vista hotel, Biloxi, Miss., March 18-21, 1953.

Synthetic Organic Chemical Manufacturers Association, monthly meeting, Commodore hotel, New York, November 12; annual business meeting and dinner, Commodore hotel, New York, December 3.

Textile Research Institute, annual meeting, Commodore hotel, New York, November 17-18.

Cosmetic Chemists Select McDonough as '52 Medalist

The Society of Cosmetic Chemists will present its medal award for 1952, for contributions to the art and science of cosmetics, to Dr. Everett G. McDonough, vice-president and general manager of Evans Research & Development Corporation, New York.

Dr. McDonough, a noted chemist in the field of cosmetics, is best known for his work on the study of hair, its growth, chemistry, and embellishment. He is the creator and developer of "cold waving." United States patents covering this invention have been issued to him, as well as thirty-three foreign patents. The award will be tendered at a dinner of the society in his honor on December 11, at the Biltmore hotel, New York.

DCAT Picks Meeting Date

The Drug, Chemical and Allied Trades section of the New York Board of Trade will hold its sixty-third annual meeting and election September 24 to 27, 1953, at Pocono Manor Inn, Pocono Manor, Pa.

Davison Chemical President

R. L. Hockley has been elected president of the Davison Chemical Corporation, Baltimore, Md. Chester F. Hockley, formerly president as well as chairman, will continue in the latter post. R. L. Hockley joined Davison in 1934, was made marketing vice-president in 1942, and became executive vice-president last year. The elder Mr. Hockley, father of the new president, was named receiver of Davison in 1933, and was in charge of the reorganized corporation until his son's election.

Germany Seen Unlikely To Up Fats, Oils Buying

Any substantial increase in the purchase of fats and oils from the United States by western Germany appears unlikely for the current fiscal year, according to W. F. Doering of the Office of the US High Commissioner, Bonn, Germany.

He said that producers of margarine in western Germany have expressed their continued active interest in obtaining greater quantities of raw materials, particularly liquid oils, from the dollar area, but the key problem is the shortage of dollar exchange. Fats and oils, which are obtainable also in soft currency areas, he stated, will continue to be given much lower dollar priority by the German government than grains and sugar.

Mr. Doering also reported that oleomargarine manufacturers in western Germany began fortifying margarine with vitamins A and D last September, and according to present estimates about half of all margarine is now being fortified. Competition will spur the remainder of the industry to add vitamins to its output within a relatively short time, he predicted.

The prevailing level of fortification is 20,000 International units of vitamin A and 1,000 I.U. of vitamin D-2 per kilogram (1 kilogram equals 2.2046 US pounds).

Battelle Institute Establishing Research Center in Germany

The cornerstone for a new research center at Frankfurt/Main, in Germany, to serve the industry of that country, was placed last week. The new Battelle Memorial Institute for Germany is being established by Battelle Memorial Institute, Columbus, Ohio. In addition, Battelle is establishing another research center at Geneva, Switzerland, and has set up a program of fellowships for selected students in the universities of both Switzerland and Germany. Research centers and fellowship programs for other countries of western Europe are also contemplated for the future.

The Frankfurt research center will engage in chemical, metallurgical, and engineering research. It is already under construction on a site presented for the purpose by the City of Frankfurt. The laboratory will cost an estimated $1,000,000, and another $500,000 will be required to equip it.

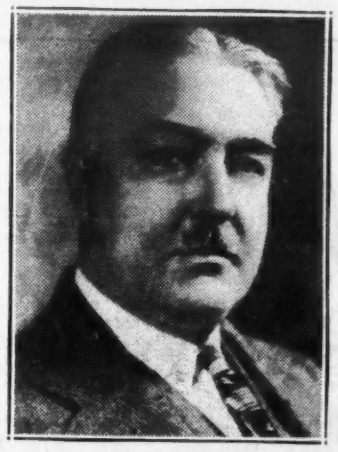
Nat'l Pest Control Ass'n Elects J.W. Gunn Pres.

The National Pest Control Association has elected J. Wilfred Gunn, president of the Hollywood Termite Control Company, Los Angeles, president of the organization. Charles V. Kyle has been reelected secretary-treasurer. Arden W. Price has been elected executive vice-president. Ray M. Dewey has been selected to complete the unexpired term for one year of Mr. Gunn as vice-president for region 11 and Sidney Wimmer has been named to complete the unexpired term of Jacques J. Hess as director in region 2.

Consulting Chemists Elect Foster D. Snell President

The Association of Consulting Chemists and Chemical Engineers, at the annual meeting October 28, elected Foster Dee Snell, of Foster D. Snell, Inc., New York, its president for the coming year and also elected Abraham Taub, of the College of Pharmacy, New York, its vice-president.

The meeting featured a symposium on "Everyday Chemistry — Cosmetics and Household Chemicals," with Thomas P. Kearney, director of the Industrial Testing Laboratories, New York, serving as moderator. Participating were R. E. Horsey, vice-president in charge of sales of Givaudan-Delawanna, Inc., and Sindar Corporation, New York; Dr. M. Geneva



Foster Dee Snell

Gray, director of the biology laboratory of Arthur D. Little, Inc., Cambridge, Mass., and Maurice S. Sage, owner of Sage Laboratories, Inc., New York.

Mr. Horsey, speaking on "New Developments and Future Markets of Cosmetics," said cosmetic usage and sale will continue to grow for the following reasons:—Urban areas, where cosmetic use is higher, are continuing to grow; usage is increasing among teen-agers; men's cosmetics use continues to increase; there is more movement in the daily lives of people and those in constant contact with others are the ones who use cosmetics; the high birth rate will continue the high rate of sale of baby toiletries.

Added Reasons Given

Mr. Horsey added the following reasons for his prediction:—The increased participation of women in sports will add to cosmetic use for care of the skin; improved products will add to the market those who still believe some cosmetics may be harmful; supermarket sales will encourage family buying instead of buying by women alone; improved packaging, making it possible to carry cosmetics practically everywhere, and new and better products to be developed by the cosmetic chemist.

Dr. Gray spoke on "Hazards Associated With the Use of Cosmetics." Touching on pre-testing methods, Dr. Gray said, "The

—Continued on page 82

Water Purification Advisers Appointed by Interior Dept.

Nine outstanding leaders in various fields of science, education and industry have accepted invitations to advise the Department of the Interior in its research program of saline and brackish water purification, it was announced October 30. The program was authorized by congress last June in public law 448. The nine advisers are:—

Dr. Robert G. Sproul, president, University of California, Berkeley, Calif.; J. J. Cronin, vice-president, General Motors Corporation, Detroit, Mich.; Dr. Louis Koenig, director of research, Southwest Research Institute, San Antonio, Tex.; Henry J. Schmitt, editor and publisher, the Aberdeen American-News, Aberdeen, S. D.; Dr. Lee A. DuBridge, president, California Institute of Technology, Pasadena, Calif.; Dr. George D. Humphrey, president, University of Wyoming, Laramie, Wyo.; Dr. Sheppard P. Powell, consulting engineer, Baltimore, Md.; Dr. Frederick L. Hovde, president, Purdue University, Lafayette, Ind., and Dr. James R. Killian, jr., president Massachusetts Institute of Technology, Cambridge, Mass.

SOCMA to Meet Dec. 3

The Synthetic Organic Chemical Manufacturers Association will hold its annual business meeting December 3 at 5:15 p.m. at the Commodore hotel, New York, preceding the annual dinner of the organization.

Paint Technicians Set Annual Meeting Plans

The Federation of Paint and Varnish Production Clubs has announced the program for the thirtieth annual meeting, to be held at the Palmer House, Chicago, November 20 to 22. On the day before the meeting, the Paint Industries Show will open and continue through November 22.

Council members of the federation will hold a meeting and dinner November 19, with President Hiram P. Ball presiding. The Twenty-Five Year Club will not hold its annual meeting this year, having voted to meet only every fifth year, in the future.

At the opening session on the morning of November 20, President Ball will extend greetings, and will introduce the following committee chairmen, who will welcome the gathering:—C. J. Overmeyer, meetings; H. H. Zimmermann, host, and E. H. Ott, Paint Industries Show.

A paper entitled, "Factors Affecting the Heat Thickening of Linseed Oils," by Dr. A. J. Seavell and Dr. J. J. Sleightholme, Oil and Color Chemists Association, will be presented by L. O. Kekwick, president of the London section of OCCA. Following this D. T. Woods will present a paper on behalf of the Chicago Club, entitled, "Instrumentation for Continuously Recording Viscosity of Resins and Polymers in Large Reactors at Processing Temperatures." J. E. Rench will offer a paper for the Houston (Tex.) Club, entitled, "A Study of Factors Affecting Heat Resistant Coatings."

Effect of Protein Dispersions

The afternoon session will open with L. E. Ludwig presiding. J. B. Kenney will present a paper entitled, "The Effect of Protein Dispersions on the Freeze-Thaw Stability of Latex Emulsions," on behalf of the Northwestern Club. Dr. J. S. Long, Devoe & Raynolds Company, New York, will present the keynote address, entitled, "Research and Education." Following this there will be an address by Joseph F. Battley, president of the National Paint, Varnish and Lacquer Association.

An education and student session will then take place, with M. A. Glaser, chairman of the federation's educational committee, describing the "Paint Course Package" for the paint technology course. Dr. J. W. Tomecko, for the education committee, will speak on "Paint Education on a High School Level," and Dr. J. T. Rettaliata, president of Illinois Institute of Technology, will address the gathering on "Cooperation Between Industry and Education."

Round Table Discussion

A round table discussion on "Latex Paints" will follow, with M. W. Westgate the moderator. Participating will be H. L. Beakes, F. J. Hahn, P. C. Herzog, P. T. Howard, D. A. Kohr, jr., R. E. Marshall and M. H. P. Morand.

E. K. Zimmerman will present a paper entitled, "A Study of Pigment Dispersion: IV," on behalf of the New York club on November 21. A report of the research committee will be given by P. O. Blackmore, chairman, and a report of the evaluation committee will be given by W. O. Lundberg, chairman. This will be followed by a paper on "Permeability to Water of Thin Films of Pure Compounds," by B. L. Harris and A. Bialecki, Johns Hopkins University. A. J. Wandersleben will offer a paper on behalf of the Cleveland (Ohio) Club, entitled, "Painting of Plaster Surfaces: I." This will be followed by the

—Continued on page 81

Dr. Costello to Receive Remington Medal Dec. 2

The New York branch of the American Pharmaceutical Association will present its 1952 Remington honor medal to Dr. Patrick H. Costello December 2 at the New Yorker hotel, New York. Dr. Costello, who is secretary of the National Association of Boards of Pharmacy, secretary of the American Council on Pharmaceutical Education and a member of the board of trustees of the United States Pharmacopeia was selected as the 1952 Remington medalist because of his continuing contributions to the advancement of the profession of pharmacy.

Magnesium Ass'n to Meet In New York Nov. 10-11

The eighth annual meeting of the Magnesium Association will be held on November 10 and 11 at the Biltmore hotel in New York.

The program consists of a casting session, technical session and general session.

New evidence on Vitamin B_{12} for growth failure

...test children also show less fatigue, improved scholastic aptitude

Further evidence of the ability of vitamin B_{12} to speed growth in children suffering from simple growth failure has been reported by Wetzel and his associates in Cleveland.*

This study now in progress for over three years involves some 20,000 observations in more than 300 children, in their usual home and school surroundings.

The new evidence is creating widespread interest in vitamin B_{12} as a dietary supplement. This, in turn, means a larger market for preparations containing vitamin B_{12}. Merck Vitamin B_{12} products are preferred ingredients for both oral and parenteral formulations.

* * *

Reprints of this new study by Wetzel, *et al.*, which was published in the initial issue of the new *Journal of Clinical Nutrition*, are available from Merck & Co., Inc. The authors' conclusions, in part, are as follows:

"All of the foregoing evidence, therefore, supports the conclusion that vitamin B_{12} does exert a 'growth-promoting effect' *when given as a dietary supplement to children in growth failure*—and this evidence is exceptionally strong . . . The general benefits derived from the present study of vitamin B_{12} dietary supplements were felt well beyond the point at which individual children developed recovery responses . . . teachers in the classrooms became aware that at least some of the pupils were improving in behavior, attitude and scholastic work—or that they were showing less strain and fatigue, or, on the other hand, greater interest and attention, and hence better all-around progress than before. Voluntary expressions of similar import were offered by parents."

*Wetzel, N. C., Hopwood, H. H., Kuechle, M. E., and Grueninger, R. M.: *Journal of Clinical Nutrition* 1:17, September-October, 1952.

Vitamin B_{12} Merck

CRYSTALLINE VITAMIN B_{12} U. S. P.

TRITURATIONS OF CRYSTALLINE VITAMIN B_{12}

VITAMIN B_{12} SOLIDS

Research and Production for the Nation's Health

MERCK & CO., INC.

Manufacturing Chemists

RAHWAY, NEW JERSEY

In Canada: MERCK & CO. Limited—Montreal

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, October 31 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).

Acenaphthene below 92.5 C., m.p., dms. works lb. .40 - —
over 92.5 C., m.p., bbls., dms., works lb. .41 - .50

Acetaldehyde, 99%, dms., c.l., frt. equald lb. .1250 - .1433
l.c.l., frt. equald lb. .1350 - .1535
tanks, frt. equald lb. .1050 - .1300

Acetaldol (see Aldol)

Acetanilide, tech., bbls., c.l., dlvd. lb. .26½ - —
l.c.l., ton lots lb. .27½ - —
smaller lots lb. .30½ - —
USP, bbls., 2,000-lb. lots lb. .61 - —
smaller lots lb. .63 - .67

Acetic, anhydride, dms., c.l., dlvd. E lb. .16 - —
l.c.l. frt. alld. E lb. .17½ - —
tanks, frt. alld. E lb. .14½ - —

Acetoacetanilide, fib. dms., c.l dlvd. lb. .73 - —
l.c.l., dlvd lb. .74 - —

Acetoacetorthochloroanilide, fib. dms., c.l., dlvd lb. 1.14 - 1.22
l.c.l., dlvd lb. 1.15 - 1.23

Acetoacetorthotoluidide, fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —

Acetone, CP dms., c.l., dlvd lb. .10¼ - .11¾
l.c.l., dlvd lb. .11 - .12½
tanks, dlvd lb. .08½ - .10

Methyl (see MD

Acetonitrile, dms., c.l. works lb. .45 - —
l.c.l., works lb. .47 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.15 - 1.38

Acetophenone, cns. dms lb. 1.35 - 1.85
tech., dms., l.c.l., works lb. 75 - —

Acetyl (N) para-aminophenol, dms., frt. adjusted lb. 1.50 - 1.60

Acetyltributyl citrate, tech., dms., c.l lb. .37½ - —
l.c.l lb. .38½ - —
tanks lb. .36 - —

Acetyltriethyl citrate, tech., dms., c.l lb. .37½ - —
l.c.l. lb. .38½ - —
tanks lb. .36 - —

Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390 - —
cryst., dms., c.l., works lb. .06½ - —
l.c.l., works lb. .07 - .07¼

Acetic, com'l or redist., 28%, bbls. 100 lbs. 5.50 - —
56%, bbls. 100 lbs. 9.65 - —
70%, bbls. 100 lbs. 11.70 - —
80%, bbls 100 lbs. 12.45 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.00 - 16.00
cbys., inclusive, works 100 lbs. 24.00 - 25.00
tech., dms., c.l., works 100 lbs. 10.50 - 12.50
l.c.l., works 100 lbs. 11.00 - 13.50
tanks, works 100 lbs. 9.00 - 11.50
USP, dms. works 100 lbs. 13.50 - 14.50

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .80 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls same basis, lb. .53 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .30½ - —

Aminoacetic, NF, bbls., frt. adjusted lb 1.50 - 1.75

Anthranilic resub., bbls lb. 2.10 - —
tech., bbls., frt. equald lb. 1.10 - —

Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic, USP dms. 25-50 kilo lots kilo. 24.50 - —
10-kilo lots kilo. 24.85 - —
5-kilo lots kilo. 25.25 - —
bots., 1-kilo lots kilo. 25.50 - —
500-gram lots kilo. 26.00 - —

Battery, cbys., c.l., works, E. 100 lbs 2.40 - —
l.c.l., works, E 100 lbs. 2.80 - 3.20

Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .425 - .450
USP, bbls. dms. 100-lb. lots or more lb. .525 - .540

Betahydroxynaphthoic (see Acid, betaoxynaphthoic).

Betaoxynaphthoic, bbls., works lb. 1.14 - —

Boric, tech, 99½% cryst., bgs., c.l., works ton 120 75 - —
ton lots, ex whse., N Y or Chi ton 166.50 - —
less ton lots same basis, ton 171.50 - —
bbls., c.l., works ton 145 25 - —
ton lots, ex whse., N Y or Chi ton 191 00 - —
less ton lots same basis, ton 196.00 - —
bulk, c.l., works ton 116.75 - —
gran., bgs., c.l. works ton 93 75 - —
ton lots, ex whse., N Y or Chi ton 141 50 - —
less ton lots same basis, ton 146.50 - —
bbls., c.l., works ton 120 25 - —
ton lots ex whse., N Y or Chi ton 166 00 - —
less ton lots same basis, ton 171.00 - —
bulk c.l., works ton 91.75 - —
powd., bgs., c.l. works ton 100 75 - —
ton lots, ex whse., N Y or Chi ton 146.50 - —
less ton lots same basis, ton 151.50 - —
bbls. c.l., works ton 125.25 - —
ton lots ex whse., N Y or Chi ton 171.00 - —

Acid, boric, powd., bbls., less ton lots, same basis ton 176.00 - —
bulk, c.l. works ton 96.75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.67 - —

Butyric, 99%, dms., c.l., works, lb. .34 - —
l.c.l., works lb. .34½ - —
tankcars, works lb. .32½ - —

Cacodylic, bots lb 10.50 - 13.00

Camphoric, natural, dms lb. 4.00 - 4.75
synth. dms lb 4.00 - 4.75

Capric, 90%, dms lb. .30¼ - .31½

Caprylic, 90%, dms lb. .30¼ - .31½

Cassello dms frt alld lb 1.44 -

Castor oil, split, dms lb. .33¼ - .33¾

Chicago, bbls. frt alld lb. 3.21 —

Chlorosulphonic, dms., c.l., frt. equald lb. .039 —
l.c.l., frt equald lb. .044 - .059
tanks, frt equald lb. .034 —

Chromic, 99½-99¾%, dms., c.l., works lb. .27 - .27½
l.c.l., works lb. .27½ - .28½

NF (see Chromium trioxide)

Cinnamic, refd. bots lb. 3.50 - 3.50

Citric, anhyd., gran., fine gran., dms., c.l lb. .26½ - —
10,000-lb. lots, 1 ship't. lb. .27 - —
smaller lots lb. .27½ - —
kgs. lb. .28½ - —

USP, gran., fine gran., dms., c.l lb. .24½ - —
10,000-lb. lots, 1 ship't. lb. .25 - —
smaller lots lb. .25½ - —
kgs. lb. .26½ - —

Anhydrous and USP powdered citric, ½c. per lb. higher.

Cleve's, mixed bls lb. .79 - —

Coconut oil, dist., dms lb. .19¾ - .21
tankcars lb. .18 - —
double dists., dms lb. .21¼ - .22½
tankcars lb. .19½ - —

Cottonseed oil, dist., dms lb. .11¼ - .12½
double dist., dms lb. .11¾ - .13

Cresylic, coaltar, dom., 50% above 210°C. non-ret. dms., c.l., frt. equald gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —
ret. dms. c.l. same basis gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —
tanks, same basis gal. .95 - —
207° to 210° C., dms., c.l., same basis gal. 1.16 - —
l.c.l., same basis gal. 1.19 - —
tanks, same basis gal. 1.05 - —
204° to 207°C. non-ret. dms., c.l., same basis gal. 1.21 - —
l.c.l., same basis gal. 1.24 - —
ret. dms. c.l same basis, gal. 1.21 - —
l.c.l., same basis gal. 1.24 - —
tanks, same basis gal. 1.10 - —

Acid, cresylic, coaltar, imp., 75% at 215°C. or over, dms., ex whse. gal. .85 - 1.00

petroleum, dom. 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. 73 - .75
tanks same basis gal. .58 - —

200° C to 222° C, tanks, Wilmington, Cal gal. .58 - .63

211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —

220° C to 242° C, tanks, Wilmington Cal gal. .50 - .53

245° C to 293° C, tanks, Wilmington Cal gal. .46 - —

Crotonic, fib. dms., works lb. .45 - —

Cyanoacetic, tech., bbls lb. .90 - 1.25

Desoxycholic, bots lb. 22.00 Nom.

Dichlorophenoxyacetic (see under "D" 2,4-D).

Diethylbarbituric (see Barbital)

Digiycolic, bgs., works lb. .14 - —

Ethylhexoic, dms. c.l., works lb. .35 - —
l.c.l. works lb .35½ - —
tanks works lb. .33½ - —

F, crude, paste, bbls., works lb. 1.67 - —

Folic, bots. fib cns. kilo or more gram 1.60 —

Formic, 85% cbys. c.l. works lb. .142 - .17
l.c.l., works lb. .14½ - .22
90%, cbys., c.l., works lb. .1475 - .1750
l.c.l., works lb. .15 - .23½

Fumaric, tech. bbls. dms lb. .37 - .38

Gallic, NF VII, bbls., 1,000-lb. lots, lb 1.80 —
smaller lots lb 1.82 2.00
technical, bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb. 1.69 1.78

Gamma, dry, ground, bbls., frt. alld lb 1.50 - —
paste, bbls., frt. alld lb. 1.45 - —

Gentisic, 100-lb. fib. dms lb. 8.50 - —

Gluconic, tech, 50%, bots lb. .23¼ - .31½
dms lb. .14½ - —
cbys. lb. .17½ - —

Glutamic 99½% laevo, fib. dms., 100-lb lots, works lb 2.45 - 2.53
25-lb. lots, works lb. 2.60 - 2.68

Glycerophosphoric, 33%, dms., works lb 2.25 - 2.35

Glycolic (see Acid hydroxyacetic).

H, basis 100%, bbls., works lb. .82 - —

Hydriodic, 1.50 s.g. cbys lb 2.67 - —
1.70 s.g., cbys lb. 2.98 - —

Hydrobromic, medicinal, 48%, cbys., dlvd E lb .37 - .43

Hydrochloric (see Acid, muriatic).

Acid, hydrocyanic, cyls., works lb. 1.15 - —
dilute, NF, 2%, 5-lb. bots lb. .40 - —

Hydrofluoric, anhyd., cyls., works, lb. .24 - .25
tanks, works lb. .18 - —
70%, steel dms., works lb. .1535 - .1958

Hydrofluosilicic, 30-35%, bbls., works lb. .07 - —

Hydroxyacetic, tech. 70%, bbls., non-return., Phila., basis 100% lb. .12 - —
tanks Belle W Va., basis 100% lb. .083 —

Hypophosphorous, purif., 50%, cbys. lb. 1.30 - 1.33
USP, cbys lb 88 —

Isonicotinic, 100 lb fib. dms, works lb. 10.00 —

J, bbls., works, basis 100% lb. 2.50 - 2.85

Koch, bbls. frt alld lb. 64 - .70

L, bbls frt alld lb 1.25 —

Lactic, edible, 50% bbls., 20 or more lb .17 - .20
smaller lots lb. .17½ - .21
80%, bbls., 5 or more lb. .30 - .3640
less than 5 bbls lb. .305 - .3690
plastic grade, 50% bbls., 20 or more works lb. 21¾ —
1 to 19 lb. 22¼ - .22¾
80%, bbls., 5 or more lb. .3815 - —
tech., 22%, bbls. c.l., works, 100 lbs 6.30 —
l.c.l., works 100 lbs 6.70 —
cbys., works 100 lbs 7.20 - 12.20
44%, bbls. c.l. works 100 lbs. 11.45 - 11.95
l.c.l., works 100 lbs. 11.85 - 12.50

NF, 85%, cbys lb. .85 - .88

Laurent's, bbls lb 60 .67

Lauric, 90%, dms lb. .29¾ - .31
60%, dms lb. .21¼ - .22½

Linseed oil, dist., dms lb. .2145 - .2198
water-white, dms lb. .2445 - .2498

Maleic, cryst., powd., dms. lb. .37 - .38

Malic, tech., dms lb. .50 - —

Mandelic, NF, dms., 1,000-lb. lots, lb 2.35 —
smaller lots lb. 2.40 2.50

Metanilic, dms., works lb. .57 - .75

Methacrylic, dms., c.l., and truckloads, works lb. .78 - —
less than truckload works lb .76½ - .80

Molybdic, dms. 85-92% works lb 1.40 - 1.55

Monochloroacetic, purified, flake, 99%, dms lb. .23½ - .25½
tech., flake, 96-97%, dms lb. .20 - .23

Muriatic, 18° cbys. c.l. works, 100 lbs. 2.45 2.80
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton 25.00 - 29.00
20°, cbys., c.l., works 100 lbs. 2.70 3.05
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 4.30
tanks, works ton 27.00 - 33.00
22°, cbys., c.l., works 100 lbs 3.30 3.40
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 4.30
tanks, works ton 32.00 36.00
CP, USP consumers, cbys., extra, c.l., works lb. .11¾ - —
l.c.l., same basis lb. .13¼ - .13¾
5 pint bottles, extra, cs., c.l., same basis lb. .18¾ —
l.c.l., same basis lb. .19¼ - —

Acid, muriatic, CP, USP, prices to dealers 1½c per lb less.

Myristic, dms lb. .24¾ - .26

Naphthenic, 220-230 acidity, dms., works lb. .14 - —
tanks, works lb 12 —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol(1)-5-sulphonic (see Acid, L).

Naphthol(1)-5-sulphonic,3-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma).

(2)-7-Sulphonic,3-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms., frt. alld lb. 1.05 - —

Nicotinic, USP dms. frt adjusted kilo. 9.00 - 9.30

Amide (see Nicotinamide).

Nitric 36° Be cbys., c.l., works, E. 100 lbs. 5.00 - —
l.c.l., works E 100 lbs. 5.30 - 11.10
38° Be cbys., c.l., works E. 100 lbs. 5.50 - —
l.c.l., works E 100 lbs. 5.80 - 11.90
40° Be cbys., c.l., works E. 100 lbs. 6.00 - 6.50
l.c.l., works E 100 lbs. 6.30 - 12.10
42° Be cbys., c.l., works E. 100 lbs. 6.50 - 7.00
l.c.l., works E 100 lbs. 6.80 - 12.60
60% HNO_3, tanks, works, basis 100% 100 lbs. 3.25 - —
95% HNO_3, tanks works, basis 100% 100 lbs. 4.25 - —
CP, NF consumers, cbys., extra c.l., works lb. .13¼ - —
l.c.l., same basis lb. .15 - .15½
5 pint bottles, extra, cs., c.l., same basis lb. .17½ - —
l.c.l., same basis lb. .19 - .26

Oleic, single distilled, dms lb. .13½ - .14¾
tanks lb. .11¾ - —
double distilled (white), dms. lb. .16 - .17¼
tanks lb. .14¼ - —

Oleum (see Acid, sulphuric, fuming).

Orthochlorobenzoic, fib. dms., works lb. 1.13 - —

Orthocresotinic, dms., ton lots, works lb. .66 - —
smaller lots, works lb. .68 - —

Oxalic, bbls., c.l., works lb. .1575 - .1590
10,000-lb. lots, works lb. .16 - .1615
smaller lots, works lb. .17 - .1715

Palm oil, white, dist., dms lb. .16¼ - .17

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
alld.	allowed	dextro	dextrorotatory	NF.	National Formulary
ammo.	ammonia	dist.	distilled	No.	number
amorph.	amorphous	distr.	distributor	nom.	nominal
AMP.	American melting point	djns.	demijohns	ord.	ordinary
anhyd.	anhydrous	dlvd.	delivered	oz	ounce
a.p.a.	available phosphoric acid	dms.	drums	Pac.	Pacific
artif.	artificial	dom.	domestic	pf.	proof
ASTM.	American Society for Testing Materials	E.	east	phos.	phosphate
Be.	Baume	e.p.	end point	photo.	photographic
bbls.	barrels	equald.	equalized	pkgs.	packages
bgs.	bags	F	fahrenheit	powd.	powdered
bls.	bales	ferment.	fermentation	precip.	precipitated
bots.	bottles	ffa.	free fatty acid	prod.	producer
b.p.	boiling point	ffc.	free from chlorine	pt	point
b.p.l.	bone phosphate of lime	fib.	fiber	pulv.	pulverized
b.r.	boiling range	f.o.b.	free on board	purif.	purified
bxs.	boxes	FPA.	free of prussic acid	redist.	redistilled
C.	centigrade	frt.	freight	refd.	refined
cbys.	carboys	fus.	fused	refy.	refinery
CD.	completely denatured	gal.	gallon	reg	regular
c.i.f.	cost, insurance, freight	gran.	granular	resub.	resublimed
cks.	casks	grd.	ground	ret.	returnable
c.l.	car lots	i.&a.	iron and aluminum	SD.	specially denatured
cns.	cans	i.b.p.	initial boiling point	s.d	single distilled
col.	color	imp.	imported	S E.	southeast
coml.	commercial	incl.	included	secs.	seconds
conc.	concentrated	indust.	industrial	s.g	specific gravity
CP.	chemically pure	kgs.	kegs	shipt.	shipment
cps.	centipoises	lacq.	lacquer	solut.	solution
cryst.	crystal	lb.	pound	s.u	standard unit
cs.	cases	l.c.l.	less than car lots	synth.	synthetic
ctns.	cartons	liq.	liquid	tanks.	railroad tank-cars
cyls.	cylinders	m.a.p.	mixed anilin point	tech.	technical
dbl.	double	M c.f.	thousand cubic feet	USP.	U. S. Pharmacopoeia
denat.	denatured	min.	minimum	vis.	viscosity
		m.p.	melting point	VM&P	varnish makers & painters
		N.	nitrogen	W	west
		nat.	natural	whse.	warehouse
				w w	water white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material

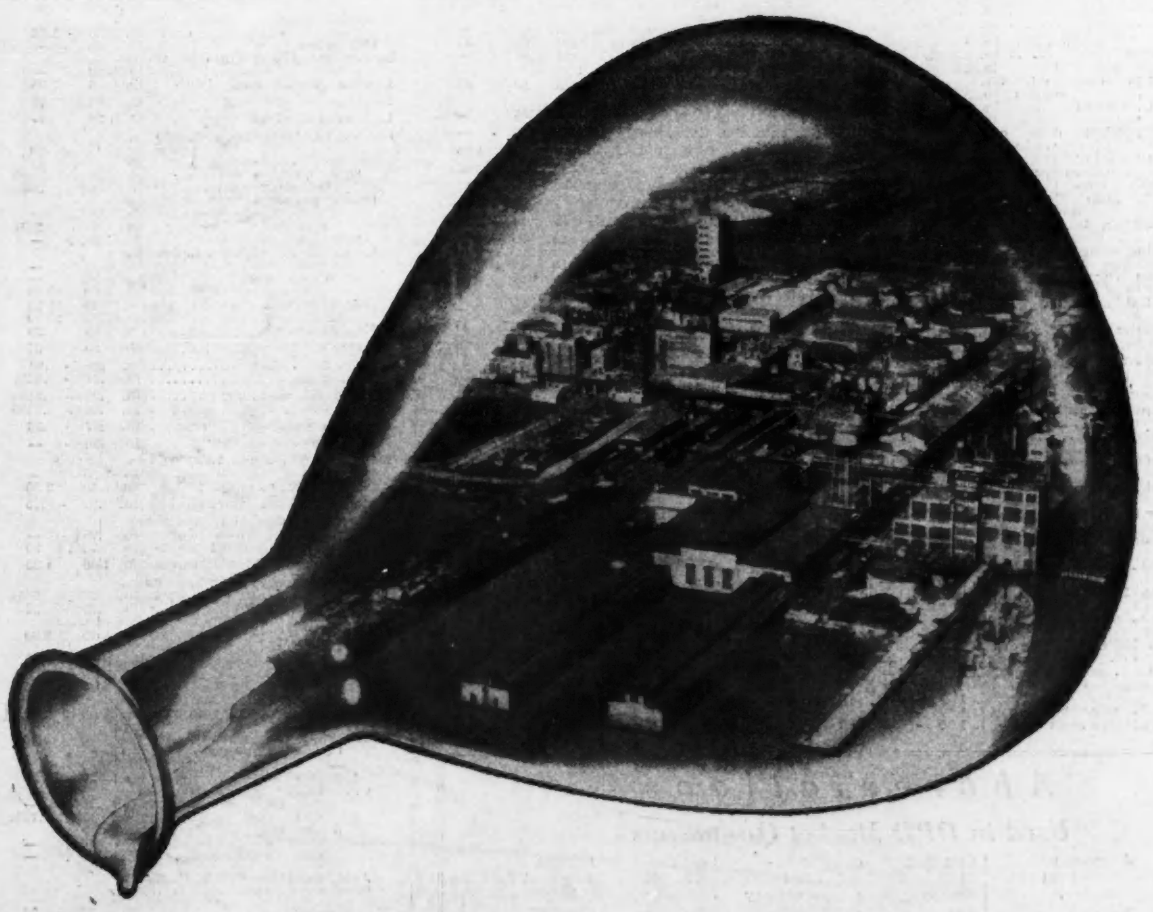
Acid, Para-Aminobenzoic—Alcohol, Isopropyl

Acid, para-aminobenzoic, tech., dms., lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 4.25 - —
smaller lots lb. 4.30 - 4.75
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.45 - —
smaller lots, same basis lb. 4.50 - 4.95
Parachlorobenzoic, fib. dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, bots lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots lb. .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works 100 lbs. 7.00 - 7.10
l.c.l., works 100 lbs. 7.50 - 8.00
tanks, works 100 lbs. 4.90 5.00
NF, 85%, cbys., c.l., works lb. .08 - .08¼
l.c.l., works lb. .08½ - .09¼
Picric, NF 300-lb. bbls lb. .55 —
dms., small lb. .81 - .87
tech., bbls lb .32 - .33
Propionic, synthetic, pure, dms., c.l., works lb. .258 - —
l.c.l., works lb. .263 - —
tanks, works lb. .19 - .243
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb. 2.76 2.99
Pyroligneous, dms., incl., l.c.l, works gal. .36 - —
whse. gal. .504 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb 3.25 - —

Acid, salicylic, crude, bgs. lb. .38 - —
sublimed, tech., bbls., c.l. lb. .37 - —
l.c.l. lb. .44 - —
dyestuffs grade, bbls lb. .39 - —
USP, cryst., bbls lb. .46 - —
powder, bbls lb. .51 - —
Sebacic, purified, dms., c.l., works, lb. .85½ - .88
l.c.l., works lb. .86 - .88¼
Soybean oil, double dist., dms lb. .12¾ - .14
single, dist., dms lb. .12¼ - .13½
Stearic, double pressed, bgs lb. .12 - .13¼
single pressed, bgs lb. .11½ - .12¾
triple-pressed, bgs lb. .14¼ - .15½
Succinic, purified, cryst., bbls., works lb .63 - .75
Sulphanilic, tech., dms., c.l., frt. alld lb. .18 - —
l.c.l., frt. alld lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.25
tanks, works ton.16.30 —
66° Be, cbys., c.l. works 100 lbs. 2.00 - 2.10
l.c.l., works 100 lbs. 2.30 - 3.10
tanks, works ton.20.00 - —
96-100%, tanks, works ton.21.00 - —
CP, NF, consumers cbys., extra, c.l., works, frt. equald. lb. .09¾ - —
l.c.l., same basis lb. .11¼ - .11¾
5 pt. bots., extra, cs., c.l., works, frt. equald lb. .13¼ - —
l.c.l., same basis lb. .14¾ - .20¾
fuming, 20%, tanks, works ton.22.40 - —
Tallow, dist., dms lb. .10½ - .11¾
hydrogenated, dms lb. .10½ - .11¾

Acid, tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 - 1.75
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.51 - 1.69
tech., dms lb. .95 - —
Tartaric, USP, dom., 230, 250-lb., dms., c.l. lb. .39½ - —
10,000-lb. lots, 1 ship't. lb. .40 - —
smaller lots lb. .40½ - —
100-lb. dms lb. .41½ - —
small dms. lb. .43½ - .49½
imported, bgs lb. .30½ - .31
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic, dms., c.l., works works lb. .16 - —
l.c.l., works lb 17½ - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5-T).
Tungstic, tech., kgs., works lb. 4.30 - —
Undecylenic, dms. lb 1.40 - —
Aconite leaves, bls lb. .35 - .40
root, bls lb. .65 - .75
Aconitine, amorph., mild, bots oz.27.50 -32.50
cryst., potent, bots oz.78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .44½ - —
l.c.l., works lb. .45 - .47
tanks, works lb .43 - —
ACTH, bots gm.25.00 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .22 - .24
Adrenocorticotropic hormone—see ACTH
Agar, USP, Kobe No. 1 strip, bls. lb. 2.25 - —
powdered, 30 mesh, fib. dms. lb. 2.25 - 2.50
Agaric, white, bls lb. 2.25 Nom.

Agrimony herb, bls lb. .25 - .30
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls., lb. 2.39 - 2.41
powd., bbls lb. 2.43 - 2.45
tech., cryst., bbls lb. 1.03 - 1.08
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .70 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd. lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld, E. of Rockies lb. .20½ - —
l.c.l., frt. alld. E. of Rockies lb. .21½ - —
tanks, frt. alld. E. of Rockies lb. .20 - —
fermentation, ref'd., 126°-132°C, dms., c.l., dlvd lb. .32¾ - —
l.c.l., dlvd lb. .33¾ - .36
tanks, dlvd lb. .31 - —
128-132° C., dms., l.c.l., dlvd, lb. .33¾ - .36
ACS grade, dms., l.c.l., dlvd lb. .35¾ - —
synthetic, normal, dms., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
tanks, works lb. .40 - —
secondary, dms., c.l., frt. alld, E lb. .23 - —
l.c.l., frt alld. E lb. .24 - —
tanks, frt. alld. E lb. .22½ - —
tertiary, dms. c.l., frt. alld. E. lb. .20¼ - —
l.c.l., frt. alld. E lb. .20¾ - —
tanks, frt. alld. E lb. .19 - —
Benzyl, NF, dms lb. .84 - .90
tech., dms., dlvd lb. .47½ - .49
Butyl, fermentation, normal, dms., c.l., frt. alld. lb. .14¾ - —
l.c.l., frt. alld lb. .15½ - —
tanks, frt. alld lb. .13 - —
synthetic normal, dms., c.l., frt. alld. lb. .14¾ - —
l.c.l., frt. alld lb. .15½ - —
tanks, frt. alld lb. .13 - —
secondary, dms. c.l., frt. alld. lb. .12¾ - —
l.c.l., frt. alld lb. .13½ - —
tanks, frt. alld lb. .11 - —
tertiary, dms., c.l., frt. alld. lb. .13¾ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .15 - —
l.c.l., works lb. .15½ - —
tanks, works lb. .13½ - —
95%, dms., c.l., works lb. .16½ - —
l.c.l., works lb. .17 - —
tanks, works lb. .15 - —
Cetyl, extra, fib., cns., 500-lb. lots or more lb. 1.32 - —
smaller lots lb. 1.37 - —
NF, fib., cns., 140-lb. lots or more lb. .72 .93
smaller lots lb. .72 - 1.00
Cinnamic, bots lb. 2.25 - 3.20
Decyl, bots lb. 1.70 - 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies gal .68½ - .69¼
l.c.l., dlvd., same basis gal. .72½ - .78¼
tanks, dlvd., same basis gal. .56½ - .57½
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .69½ - —
l.c.l., same basis gal. .73½ - .78¼
tanks, same basis gal. .57½ - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
SD1, dms., c.l., dlvd. E. of Rockies gal. .69 - .69¼
l.c.l., same basis gal. .73 - .78¼
tanks, same basis gal. .57 - .57½
SD2B, dms., c.l., dlvd. E. of Rockies gal. .68 - —
l.c.l., same basis gal. .72 - .77
tanks, same basis gal. .56 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .67 - .68
l.c.l. same basis gal. .71 - .77
tanks, same basis gal. .55 - .56
SD23A, dms., c.l., dlvd. E. of Rockies gal. .69 - .69¼
l.c.l., same basis gal. .73 - .78¼
tanks, same basis gal. .57 - .57½
SD23H, dms., c.l., dlvd. E. Rockies gal. .69½ - .70
l.c.l., same basis gal. .73½ - .79
tanks, same basis gal. .57½ - .58
SD27A, dms., c.l., dlvd. E. of Rockies gal. 1.34½ - —
l.c.l., same basis gal. 1.38½ - 1.43¼
tanks, same basis gal. 1.22½ - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .68½ - .70¼
l.c.l., same basis gal. .72½ - .79¼
tanks, same basis gal. .56½ - .58¼
SD30, dms., c.l., dlvd. E. of Rockies gal. .66½ - .68½
l.c.l., same basis gal. .70½ - .77¼
tanks, same basis gal. .54½ - .56½
SD35A, dms., c.l., dlvd. E. of Rockies gal. .70 - .72
l.c.l., same basis gal. .74 - .81
tanks, same basis gal. .58 - .59½
SD40, dms., c.l., dlvd. E. of Rockies gal. .68½ - .70
l.c.l., same basis gal. .72½ - .79
tanks, same basis gal. .56½ - .58
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½ - —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal.20.62 -20.64½
l.c.l., same basis gal.20.66 -20.73½
tanks, same basis gal.20.50 -20.52½
tax free, dms., c.l., dlvd. E. of Rockies gal. .67 - .68½
l.c.l., same basis gal. .71 - .78¼
tanks, same basis gal. .55 - .57½
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies. gal.21.72 -21.74½
l.c.l., same basis gal.21.76 -21.83½
tanks, same basis gal.21.60 -21.62½
Ethylbutyl, dms., c.l., works lb. .29¼ - .29½
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E. lb. .27¾ - —
l.c.l., same basis lb. .28¾ - —
tanks, same basis lb. .26¼ - —
Furfuryl, tech., cns., works lb. .31 - —
dms., c.l., works lb. .22½ - —
l.c.l., works lb. .24 - —
tanks, works lb. .19½ - —
Isoamyl (see Alcohol, amyl, fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., dlvd lb. .26¼ - —
l.c.l., dlvd. lb. .27 - —
tanks, dlvd. lb. .24½ - —
Alcohol, isopropyl, refd., 91%, dms., c.l., dlvd gal. .5050 - .5225
l.c.l., dlvd. gal. .5550 - .5640
tanks, dlvd gal. .3850 - —



ACETALDEHYDE
ACETIC ACID, GLACIAL
ACETONE C. P.
AMYL ACETATE
BUTYL ACETATE, NORMAL
BUTYL ALCOHOL, NORMAL
ETHYL ACETATE
ETHYL ALCOHOL
FUSEL OIL, REFINED
ISOAMYL ALCOHOL
PACO SOLVENT, T.R. 590

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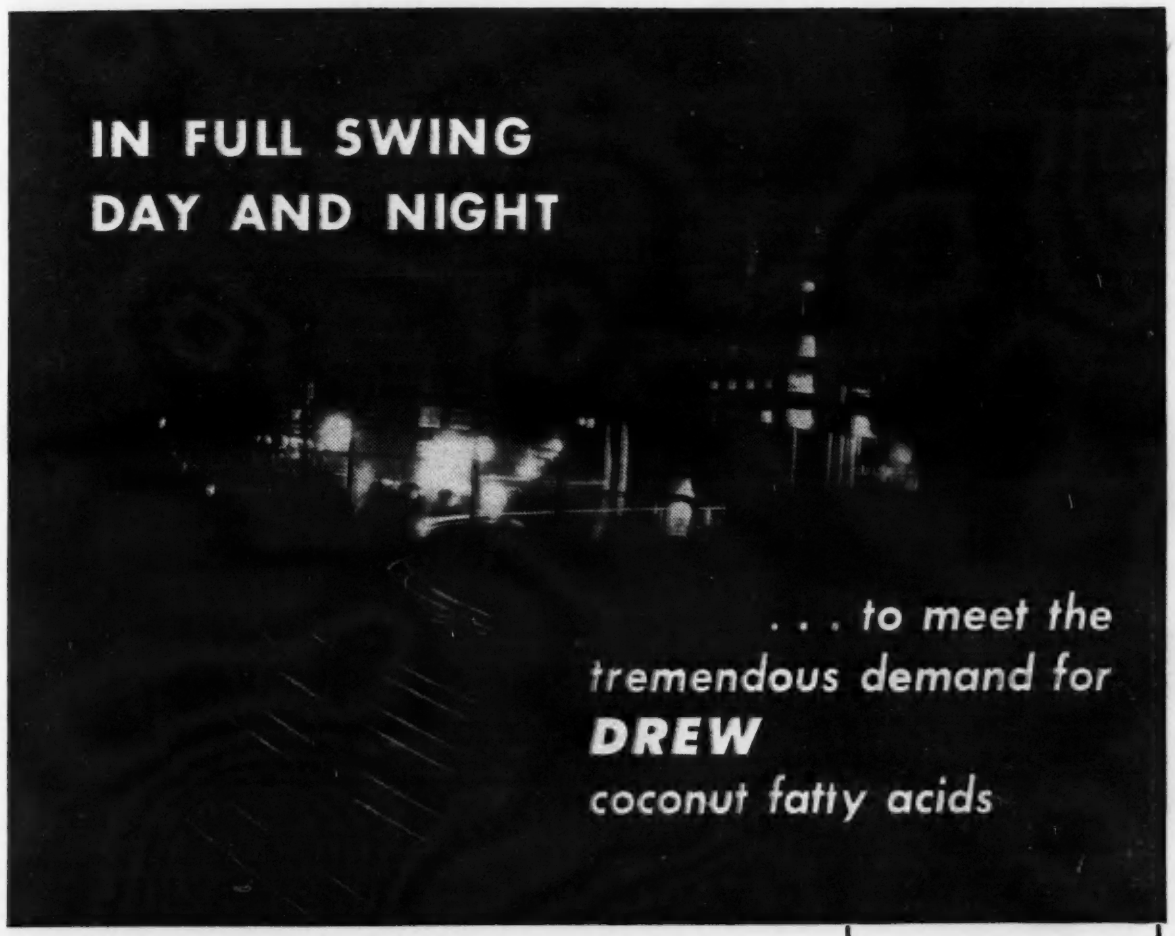
Alcohol, isopropyl, refd., 95%, dms., c.l., dlvd. gal. .52¾- .53
t.c.l. dlvd. gal. .57¾- .58
tanks, dlvd. gal. .40¾- .41
99%, dms., c.l., dlvd. gal. .55 - .56¾
t.c.l., dlvd. gal. .60 - .61
tanks, dlvd. gal. .43 - —
Lauryl, bots. lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl)
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, dms. lb. 1.57 - 2.15
Polyvinyl, various grades, bgs., ton lots, works lb. .72½ - .76
smaller lots, works lb. .77½ - .81
Propyl, normal, dms., c.l., dlvd. lb. .12 - —
t.c.l., dlvd. lb. .13 - —
tanks, dlvd. lb. .10 - —
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .49½- —
dms., Niagara Falls, N. Y. lb. .42½- —
t.c.l., Waverly, N. Y. lb. .45 - —
tanks, Niagara Falls, N. Y. lb. .40 - —
Industrial grade, dms. c.l., Niagara Falls, N. Y. lb. .29 - —
t.c.l., Waverly, N. Y. lb. .30 - —
tanks, Niagara Falls, N. Y. lb. .27 - —
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, 60% solut. dms., c.l., works, frt. alld lb. .93 - —
t.c.l. works, frt. alld lb. 1.05 - —
Aletris root, bgs. lb. 1.20 - 1.25
Alkanet root, bgs. lb. .45 - .46
Allethrin, 100%, dms., frt., alld lb. 32.00 - —
90%, dms., frt. alld lb. 28.80 - —
solution, 20% dms. 100-lb. lots, frt. alld lb. 5.65 - —
2½%, dms., frt. alld. gal. 6.00 - —
Allspice (see Pimento)
Allyl bromide, cbys., works lb. 1.35 - 1.40
Chloride, dms. c.l. dlvd lb. .16¾- —
t.c.l., dlvd. lb. .17½- —
tanks, dlvd lb. .15 - —
Starch, solid, dms., works lb. .52¾- .54¼
solution, 40% toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs lb. .35 - .38
powdered, cs. lb. .40 - .41
Curacao, kgs. lb. .60 - .65
Socotrine, kgs. lb. .25 - .35
Aloin, USP, bbls., dms., kgs lb. 4.25 - 4.70
Alphanaphthol, bbls. frt. alld lb. .85 - —
Alphanaphthylamine, bbls. frt. alld. lb. .45 - —
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .39½- .49½
t.c.l., works, frt. equald lb. .40 - .50
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., t.c.l., dlvd. E. lb. .17 - —
Alphatocopherol, bots. kilo. 250.00 - —
Acetate, bots kilo. 250.00 - —
Althea root, NF, peeled, bls lb. .29 - .33
Alum, ammonium, gran., bgs., works 100 lbs. 3.80 - —
lump, dms., works 100 lbs. 4.55 - 4.95
powd., dms., works 100 lbs. 4.70 - 5.10
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08
Potassium, gran., bgs., works 100 lbs. 4.05 - —
lump, dms., works 100 lbs. 4.80 - 5.20
powd., dms., works 100 lbs. 4.95 - 5.35
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
t.c.l., works 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works, lb. .0385- —
t.c.l., works lb. .0410- .0510
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., t.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .15 - —
t.c.l., works, frt. equald, lb. .1550- —
cryst., dms., c.l., works lb. .1030- —
t.c.l., works lb. .1070- —
solution, 32°, cbyz., c.l., works, lb. .0369- —
t.c.l., works lb. .0435- .0960
tankcars, works 100 lbs. 2.80 - —
NF, gran., dms. works lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works lb. .11¾- —
t.c.l., works lb. .12¾- —
Aluminum fluoride, fiber dms., 35c. per 100 lbs. higher.
Formate, basic solution, cbys lb. .09½- —
t.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton. 60.00 - —
t.c.l., works ton. 65.00 - 85.00
light bgs. dlvd lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib. dms., works lb. .82½- —
contract, works lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate, precip. bbls lb. .44 - —
Metal, 99%+, ingots, 10,000-lb. lots, lb. .20 - —
pigs, 10,000-lb. lots lb. .19 - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour classified, 8-240 mesh, dms. frt. alld lb. .14 - .15
kgs., frt. alld lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
288-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 - .38
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
Paste, lining, extra-fine, dms lb. .59½- —
standard, dms lb. .41 - —
Powder, lining, extra fine, dms. lb. .97½- —
standard, dms lb. .68½- —
rubber grade, dms lb. .58½- —
unpolished, standard, dms lb. .54½- —
varnish, standard, dms lb. .59 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb. for 100-lb. dm., 1½c per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c to 12c. per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum resinate, precip. dms., frt. alld lb. .27½- —
Stearate, dibasic, ctns., c.l. lb. .33 - —
ton lots or less lb. .34 - —
monobasic, ctns., c.l. lb. .33 - —
ton lots or less lb. .34 - —
tribasic, ctns., c.l lb. .33 - —
ton lots or less lb. .34 - —
Sulphate, com'l, bulk c.l., works, 100 lbs. 1.65 - —
ground, bgs., works ton. 33.00 - —
lump, bgs., works ton. 36.00 - —
iron-free, bgs. c.l., works, frt. equald 100 lbs. 3.25 - —
t.c.l., works, frt. equald 100 lbs. 3.65 - 6.15
USP, gran., dms., works lb. .10 - .12
powd., dms., works lb. .14 - .16
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.00 - 10.00
Ambrette seed, bgs lb. .65 - .66
Aminoazotoluene, bbls lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., dlvd lb. .46½- —
t.c.l., dlvd lb. .47½- —
tanks, dlvd lb. .45 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminophyllin, USP, 100-lb. dms lb. 4.30 - —
Aminopyrine, USP bots. dms lb 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton 79.00 - 80.00
pure, cyls., extra zone 1 lb. .17 - .17½
2 lb. .17 - .18
3 lb. .17 - .19
4 lb. .20 - .21
5 lb. .16 - .19
refrigeration tanks works ton. 80.00 - 82.50
Ammonia, aqua, (29.4% NH_3), dms., c.l., dlvd. Met. area 100 lbs. 3.60 - —
t.c.l., works 100 lbs. 4.00 - —
tanks, works, anhyd. basis ton. 80.00 - 86.00

Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
t.c.l., same basis 100 lbs. 8.65 - 11.15
white, gran. bgs., c.l., works 100 lbs. 4.75 - —
t.c.l., works 100 lbs. 6.50 - —
Ammoniacal liquor, tankcars, works, anhyd basis ton 75.00 - 80.00
Ammonium acetate, purified, dms. lb. .43 - —
Benzoate, USP, dms., kgs. 4,000 lb lots, frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 312.00 - —
ton lots, ex whse ton. 375.00 - —
less ton lots, ex whse ton. 380.00 - —
Bicarbonate, dom., dms., c.l., works lb. .06 - —
t.c.l., works lb. .07 - —
imported, dms., t.c.l. lb. .07¼ - .08½
Bichromate, bbls, works lb. .33 - .38
Bifluoride, dms., dlvd lb. .2035- .2160
Bromide, NF, gran., bbls lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c per lb higher
Carbonate, USP, lump, powd., dms lb. .33 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms lb. .17¼- —
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, bots., jars m. 4.01 - 4.13
Linoleate, 80%, dms., works lb .50 - .55

Ammonium nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point ton. 72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton. 86.04 - —
domestic, bgs., western works ton. 64.00 - —
with dolomite, 20.5% N, bgs. Hopewell, Va ton 51.00 - —
Oleate, 75% dms. works lb. .55 - .60
Oxalate, fine gran., dms lb .25 - .31
Pentaborate, gran., bbls., c.l., works ton. 222.00 - —
ton lots, ex whse ton. 285.50 - —
less ton lots, ex whse ton. 290.00 - —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs. lb. .30 - .35
Phosphate, com'l, bgs., c.l., works, frt. equald lb. .08½- —
t.c.l., same basis lb. .09 - —
dibasic, NF V bbls., dms lb. 45 - —
tech., bgs., c.l., works, frt. equald lb. .08½- —
t.c.l., same basis lb. .09 - —
Salicylate, NF dms. kgs lb 1.62 - 1.64
Silicofluoride, dms., works lb. .11 - .12
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton 40.00 - 45.00
synthetic, bgs. c.l., western works ton. 50.00 - 54.50
bulk, works ton. 47.00 - —
purified, dms., works lb. .07½ - .08½



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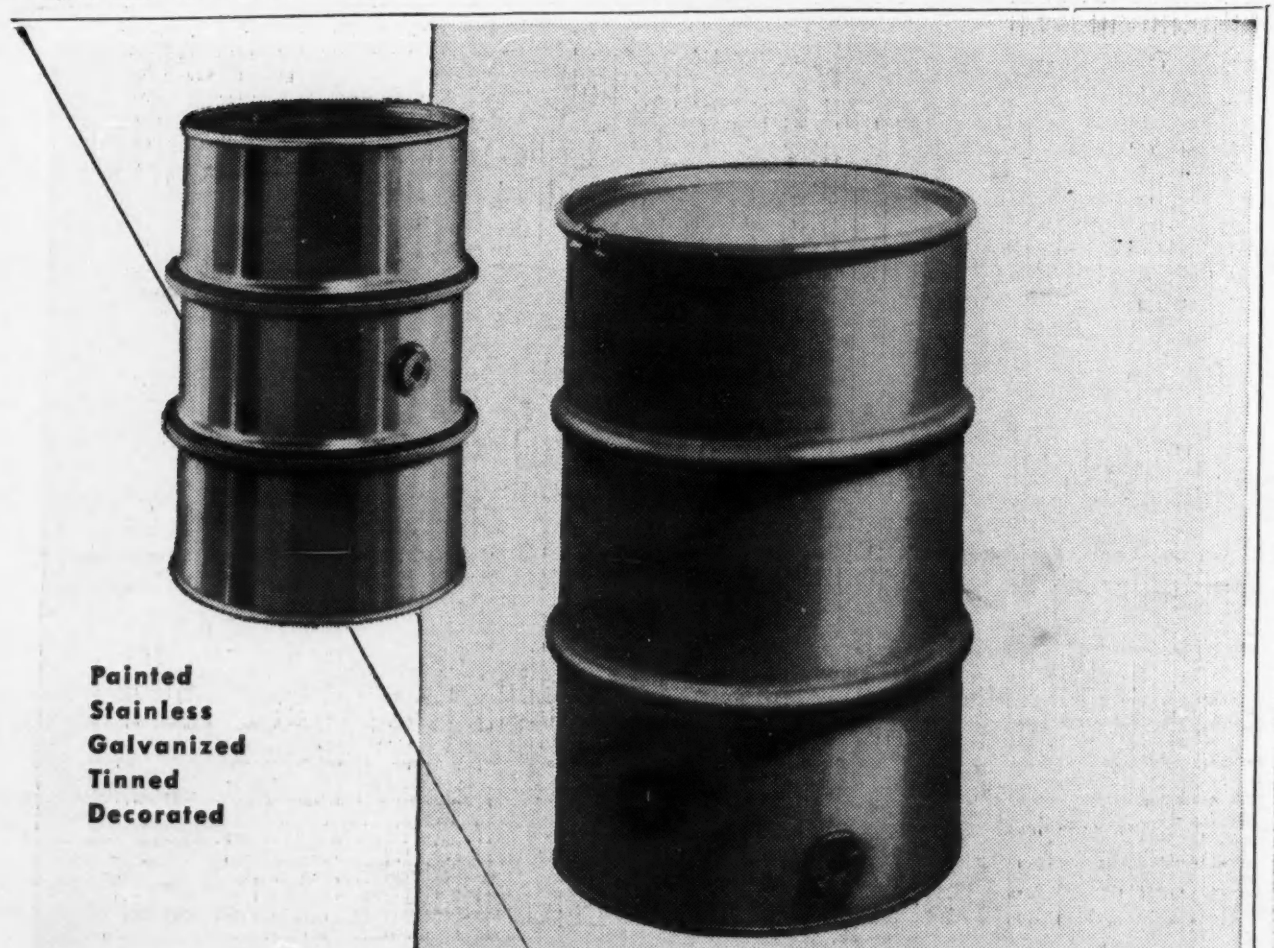
Ammonium Sulphide—Betanaphthol Sulphate

Ammonium sulphide, liq., 40-45%, dms., c.l., basis 100%, works	ton	211.50	—
t.c.l., basis 100% works	ton	312.50	—
tanks, dlvd or frt. alld	ton	181.50	—
Sulphocyanide, tech. (see Ammonium thiocyanate).			
Thiocyanate, tech., dms., c.l., works	lb.	.18	—
t.c.l., works	lb.	.19	.30
Thioglycollate, com'l, cbys., basis 100%	lb.	1.60	—
highly purified, cbys., basis 100%	lb.	1.70	1.96
Thiosulphate, cryst., photo grade, fib, dms., frt. alld	lb.	.65	—
Amphetamine hydrochloride dibasic, dextro, bots	lb.	32.00	—
dextro-laevo, dms	lb	6.50	7.00
monobasic, dextro, bots	lb.	32.00	—
Phosphate, dibasic, dextro, bots.	lb.	32.00	—
dextro-laevo, dms	lb	6.50	7.00
Sulphate, dextro, dms	lb.	32.00	—
dextro-laevo, dms	lb.	6.50	7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd.	lb.	.16¾	—
t.c.l., dlvd	lb.	.17½	—
tanks, dlvd	lb.	.15	—
ex pentane, dms., c.l., frt. alld, E. of Rockies	lb.	.20	—
t.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.18	—
Alcohol (see Alcohol, amyl).			
Butyrate, dms	lb.	.90	1.05
Cinnamic aldehyde, dms	lb.	1.70	2.10
Nitrite, USP, bots	lb.	1.75	1.83
Salicylate, cns., dms	lb.	.77	.95
Anethol, NF, cns., dms	lb.	1.20	1.60
Angelica root, dom., bls.	lb.	.60	.70
imported, bls.	lb.	.50	.80
Angostura bark, bls	lb.	.43	.48
Anilin oil, dms., c.l., works, frt. alld.	lb.	.19	—
t.c.l., works, frt. alld	lb.	.20	—
tanks, works, frt. alld	lb.	.18	—
Salt, dms., frt. alld	lb.	.30	—
Anise, Bulgarian, bgs	lb.	.12	.13
Chinese, star, bgs	lb.	.68	Nom.
Czech, bgs	lb.	.12½	.13
Mexican, bgs	lb.	.14½	.15
Spanish, bgs	lb.	.15	.15½
Syrian, bgs.	lb.	.13	.13½
Turkish, bgs	lb.	.12½	.13
Anisic aldehyde, bots., dms	lb.	2.35	2.80
Annatto seed, whole, bgs	lb.	.26	—
powdered, dms	lb.	.28	—
Anthracene, 90-95%, bbls., ton-lots, works	lb.	.80	—
smaller lots, works	lb.	.85	—
Anthraquinone, 99.5%, bbls., frt. alld	lb.	.85	.88
Antimony butter (see Antimony trichloride).			
Metal, bulk, c.l., mines	lb.	.39	—
cases, c.l., mines	lb.	.39½	—
Oxide, bgs., c.l., frt. alld	lb.	.30	.36
t.c.l., frt. alld	lb.	.31½	.37½
Sulphide, 62-64%, bgs. dlvd	lb.	.38	.38½
Trichloride, pails, c.l., works	lb.	.43	.47
t.c.l., works	lb.	.45	.49
solution, cbys., works	lb.	.29	.30
Antimony-potassium tartrate (see Tartar emetic.			
Antipyrene, NF, dms	lb.	2.50	2.60
Apomorphine hydrochloride, USP, bots	oz.	23.40	23.90
Areca nuts, powd., bbls	lb.	.13	.16
Arecoline hydrobromide, NF, bots, tins	oz.	5.00	5.75
Arginine monohydrochloride, laevo, dms., 1 kilo lots	kilo.	77.00	—
Argols, min. 50%, bgs., shipment ports, per 100 kilos, basis 100%	lb.	26.00	—
Arnica flowers (true montana), bls.	lb.	.65	.66
root, bls	lb.	1.45	—
Arrowroot, powd., bgs	lb.	.11	.14
Arsenic metal, lump, bbls., prompt ship't	lb.	.80	.90
Trioxide, USP, dms	lb.	.48	—
White, powd., bbls., c.l., dlvd.	lb.	.05½	—
t.c.l., dlvd.	lb.	.06½	.07½
Asafetida, cs	lb.	.32	.35
powd., bbls., dms	lb.	.50	.53
Asbestine (see Talc, fibrous, N. Y.).			
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines	ton	1,300.00	—
No. 2, c.l. (20 tons), mines	ton	675.00	—
Run-of-mine, c.l. (20 tons), mines	ton	556.00	—
3K, c.l. (20 tons), mines	ton	436.00	—
3R, c.l. (20 tons), mines	ton	371.00	—
3T, c.l. (20 tons), mines	ton	348.00	—
3Z, c.l. (20 tons), mines	ton	321.00	—
4K, c.l. (20 tons), mines	ton	173.00	—
4M, c.l. (20 tons), mines	ton	173.00	—
4T, c.l. (20 tons), mines	ton	156.00	—
4Z, c.l. (20 tons), mines	ton	156.00	—
5D, c.l. (20 tons), mines	ton	122.50	—
5K, c.l. (20 tons), mines	ton	122.50	—
5M, c.l. (20 tons), mines	ton	116.50	—
5R, c.l. (20 tons), mines	ton	110.00	—
6D, c.l. (30 tons), mines	ton	78.00	—
7D, c.l., (30 tons) mines	ton	68.50	—
7F, c.l. (30 tons), mines	ton	65.00	—
7H, c.l. (30 tons), mines	ton	55.00	—
7K, c.l. (30 tons), mines	ton	46.00	—
7M, c.l. (30 tons), mines	ton	40.00	—
7R, c.l. (30 tons), mines	ton	39.00	—
7T, c.l. (30 tons), mines	ton	37.00	—
Asbestos, Canadian, crude, 7RF, c.l., (30 tons), mines	ton	40.00	—
7TF, c.l. (30 tons), mines	ton	40.00	—
8S, c.l. (30 tons), mines	ton	37.00	—
Asbestos c.l. prices are in U. S. funds. L.c.l. lots, $4 per ton higher.			
Asphalt, gilsonite, black, seconds, 300°-390°F. fusing point not uniform, bgs., c.l., Craig, Colo.; Heber City, Utah	ton	34.00	—
select, 350°F. fusing point, bgs., c.l., same basis	ton	38.00	—
270°-295°F. fusing point, bgs., c.l., same basis	ton	37.00	—
jet, bgs., c.l., same basis	ton	34.00	—
Manjak, No. 10, crude, dms., works	lb.	.06½	—
Petroleum, cut-back, tanks, tank-wagon, refinery	gal.	.09	—
emulsion, tanks, tank-wagon, refinery	gal.	.09½	.10
steam-refd., less than 80 penetration, tanks, tankwagon, refinery	ton	22.00	—
80-300 penetration, tanks, tank-wagon, refinery	ton	21.00	—
Aspirin (see Acid, Acetylsalicylic.)			
Atropine, USP, bots.	oz.	9.35	10.50
Sulphate, USP, bots.	oz.	5.25	6.30

B

Bacitracin, bulk, 1,000,000,000 or more units		.70	—
less than 1,000,000,000 units 50,000 units.		.75	—
Balm of Gilead buds, dried, bgs	lb.	1.35	1.45
Barberry root bark, bags	lb.	.35	.40
tree bark, bgs.	lb.	.40	.45
Barbital, USP, 100 lb. dms	lb.	5.00	—
Sodium USP dms	lb	5.25	5.27
Barium carbonate, precip., bgs., c.l., works	ton	85.50	—
smaller lots, works	ton	95.50	—
Chlorate, kgs., works	lb	.34	.38
Chloride, anhyd. bgs., c.l., works bgs	ton	152.00	—
t.c.l., works	ton	162.00	—
NF, cryst., dms	lb.	.16	—
Chromate, bgs., frt. equald	lb.	.30	—
Dioxide (see Barium peroxide)			
Hydrate, crystals, bgs	ton	190.00	200.00
Iodide bots.	lb.	6.14	—
Monoxide (see Oxide).			
Nitrate, bbls. c.l., works	lb.	.12½	—
t.c.l., works	lb	.14	—
Oxide grd. dms., c.l., works	ton	250.00	—
t.c.l., works	ton	260.00	—
Peroxide, dms. works	lb	16	—
Stearate, ctns. c.l	lb	.37	—
ton lots	lb	.38	—
less ton lots	lb	.39	—
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls	lb	.14	—
Sulphide, dms., c.l., works	ton	71.50	—
t.c.l., works	ton	81.50	—
Baryte ore, approx. 94%, $BaSO_4$, bulk, mines	ton	9.40	12.50
Barytes, Southern off-color, bgs., mines	ton	20.00	—
93.75% bgs. mines	ton	20.00	—
water grd., paper bgs., c.l., St. Louis	ton	37.60	37.85
ex-whse., N. Y.	ton	53.45	61.75
Bauxite, bulk, mines	ton	9.50	10.00
Bay leaves (see Laurel leaves).			
Belladonna, leaf, bls.	lb.	.35	.50
root, bls.	lb.	.35	.40
Bentonite, 200 mesh bgs., works	ton	12.50	—
Italian, white, high gel, bgs., t.c.l., works	ton	71.40	—
5 ton lots	ton	68.90	—
10 ton lots, ex dock	ton	57.00	—
low gel, bgs., t.c.l.	ton	69.70	—
5-ton lots	ton	67.20	—
10 ton lots, ex dock	ton	55.00	—
Benzal chloride cbys. works	lb	.22	.23½
Benzaldehyde, NF, dms	lb.	.74	.79
tech., cbys., dms	lb.	.49	.54
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane).			
tech., bgs., dms., c.l., works, gamma	unit-lb.	.013	.015
t.c.l., works, gamma	unit-lb.	.019	.021
dust, dry, distributors, dms., c.l., dlvd., gamma	unit-lb.	.0185	—
t.c.l., dlvd., gamma	unit-lb.	.0225	—
wet, distributors, dms., c.l., dlvd., gamma	unit-lb.	.0280	—
t.c.l., dlvd., gamma	unit-lb.	.0325	—
Benzidine base, bbls	lb.	1.02	—
Hydrochloride, bbls., frt. alld	lb.	.94	—
Benzocaine, dms	lb.	3.48	3.50
Benzol, pure, nitration, tanks, works, Bethlehem, Pa	gal.	.37	—
Birmingham district	gal.	.30	.35
Chicago district	gal.	.30	.35
Cleveland district	gal.	.30	.35
Geneva, Utah	gal.	.30	—
Johnstown, Pa	gal.	.35	—
Lackawanna, N. Y.	gal.	.37	—
Lone Star, Texas	gal.	.37	—
Lorain, Ohio	gal.	.30	—
Minaqua, Colo	gal.	.35	—
Philadelphia, Pa	gal.	.37	.39
Pittsburgh district	gal.	.30	.35
Sparrows Point, Md.	gal.	.37	—
Syracuse, N. Y.	gal.	.37	—
Terre Haute, Ind.	gal.	.35	—
Wyandotte, Mich.	gal.	.38¼	—
Youngstown, Ohio	gal.	.35	—
Benzophenone, dms	lb.	1.40	1.70
Benzonitrile, dms., c.l., works	lb.	.46¾	—
t.c.l., works	lb.	.47	—
Benzotrichloride, cbys., frt. equald	lb.	.18	.20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald	lb.	.20½	.23½
t.c.l., same basis	lb.	.21½	.24½
Peroxide, pure, fib. ctns., works	lb.	.90	1.05
Benzyl acetate, f.f.c., cns., dms	lb.	.65	1.05
Alcohol (see Alcohol, benzyl).			
Benzoate, USP, f.f.c., cns., dms	lb.	.80	—
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.21	—
t.c.l., same basis	lb.	.24	—
High grade benzyl chloride, 2c. higher.			
Cinnamate, cns.	lb.	3.00	4.00
Formate, cns.	lb.	1.60	2.10
Propionate, bots.	lb.	1.35	1.80
Salicylate, bots.	lb	1.65	1.85
Benzylidinacetone, bots.	lb.	1.68	2.00
Benzylisoeugenol, cns.	lb.	8.60	9.00
Berberine bisulphate, cns.	lb.	35.00	36.25
Hydrochloride, bots.	lb.	35.00	36.25
Berberis root, bls.	lb.	.32	.35
Betagammapicoline, 5°, dms., c.l., works	lb.	.29½	—
t.c.l., works	lb.	.30	—
Betamethylnaphthalene, 32°C m.p., dms., works	lb.	.90	—
Betanaphthol, resublimed, dms., works	lb.	.78½	—
tech., bbls., c.l., works	lb.	.32½	—
t.c.l., works	lb.	.34½	—
Benzoate, fib dms., works	lb	3.00	—
custom contract	lb.	1.65	1.85
Salicylate, dms.	lb	5.00	—
Sulphate, cns.	lb.	35.00	36.25



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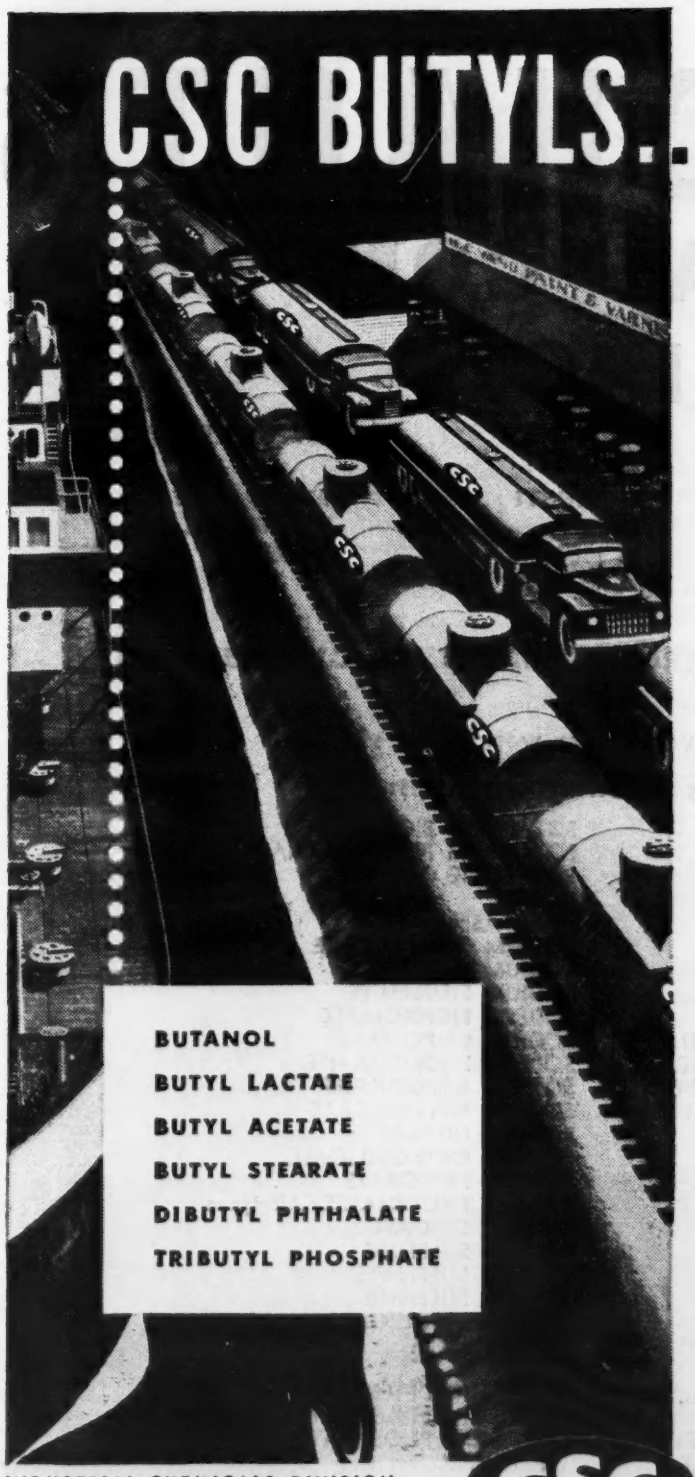
Betanaphthylamine, tech., bbls., works	lb.	1.05	1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.10	—
smaller lots	lb.	1.15	1.40
Betapicoline, 98%, dms., works	lb.	1.05	—
Beth root, bls	lb.	.40	.41
Biotin, cryst., bots	gram	10.00	—
Bismuth chloride, jars	lb.	5.11	—
Hydroxide, dms	lb.	4.65	—
Metal, bxs., ton lots	lb.	2.25	—
Nitrate, cryst., dms	lb.	2.10	2.17
Oxide, anhydrous, dms	lb.	4.47	5.05
Oxychloride, dms	lb.	4.37	4.42
Phenolsulphonate, fib. dms	lb.	5.22	—
Subcarbonate, USP, dms	lb.	3.50	—
Subgallate, NF, fib. dms	lb.	3.15	—
Subiodide, fib. dms	lb.	5.37	—
Subnitrate, NF, dms	lb	2.65	—
Subsalicylate, USP, dms	lb.	3.50	—
Bismuth-ammonium citrate, USP, powd., jars	lb.	4.22	—
Black, acetylene, bgs., c.l., works	lb.	.16	—
cs, l.c.l., ship't point	lb.	.20	.22
Bone, dms., t.c.l., frt. alld	lb.	.14¾-	.21
Pacific coast bone black prices, 2c. per lb. higher.			
Carbon, channel, heads, bulk, c.l., works	lb	.07	—
bgs., c.l., works	lb.	.0740-	—
l.c.l., dlvd. or whse	lb.	.1225-	—
uncompressed, regular, bgs., c.l., works	lb.	.10	—
l.c.l., dlvd or whse	lb.	.10	—
furnace, fast extruding, bgs., c.l., works	lb.	.06	—
ctns., l.c.l., whse	lb.	.10	—
high abrasion, bulk, c.l., works.	lb.	.0750-	—
bgs., c.l., works	lb.	.0790-	—
l.c.l., dlvd. or whse	lb.	.1250-	—
high modulus, bgs., c.l. works.	lb.	.0550-	—
ctns., l.c.l., whse	lb.	.0950-	—
semi-reinforcing bgs., c.l., works	lb.	.04	—
ctns., l.c.l., whse	lb.	.08	—
Charcoal (see C).			
Graphite (see G).			
Iron oxide, pure, bgs., c.l., works	lb.	.1175-	—
l.c.l., works	lb.	.12	—
Lamp, bgs., c.l., works	lb.	.16	.45
Mineral, bgs., works	lb.	.0160-	.0675
Black ash (see Barium sulphide).			
Blackberry, root bark, bls	lb.	.32	.35
root, bls	lb.	.15	.16
Black dyes (see Dyes).			
Black haw, root bark, bls	lb.	.65	.70
tree bark, bls	lb.	.40	.42
Black Indian hemp root, bls	lb.	.60	.61
Blanc fixe, dry, by-product, bgs., c.l., works	ton.	100.00	—
l.c.l., works	ton.	110.00	—
direct process, bgs., c.l., works.	ton.	90.00	—
l.c.l., works	ton.	100.00	—
N Y whse	ton.	120.00	-130.00
pulp, 66⅔%, bbls, c.l., works	ton.	84.00	—
l.c.l., same basis	ton.	92.00	—
Bleaching powder, dms., c.l., works	100 lbs.	5.02	—
l.c.l., works	100 lbs.	6.32	—
Blood, dried, 16-16½% ammo., bgs.,	unit-ton.	7.75	—
high-grade, unground, 16-17% ammon, bgs., Chicago,	unit-ton.	8.00	—
soluble bgs., c.l.	lb.	.17	.18½
l.c.l.	lb.	.18	.25
Bloodroot, bls	lb.	.55	.56
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E of Miss R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	2.00	—
toner, bbls., litho flushed, same basis	lb.	1.10	—
Chinese, bbls., same basis	lb.	.39¼-	.43
Cobalt, genuine, bbls, same basis	lb	4.90	—
imitation (see Blue, ultramarine).			
Copper-phthalocyanine, full strength, bbls., same basis	lb	3.85	—
resinated, bbls, same basis	lb	3.40	—
water dispersable	lb	1.54	—
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).			
Methyl violet toner, molybdated, PMA bbls., same basis	lb.	2.00	—
tungstated, PTMA, bbls., same basis	lb.	4.05	—
Milori, bbls., same basis	lb.	.39¼-	.45
Peacock, fugitive, 100% color strength, bbls., same basis,	lb.	.75	—
Potash, CP, bbls., same basis	lb.	.56	—
Prussian, insoluble bbls., same basis	lb.	.39¼-	.45
soluble, bbls, same basis	lb.	.42	—
Soda, C.P., bronze, bbls., same basis	lb.	.39¼-	.45
Ultramarine, cobalt type, dry or pulp, bbls., same basis	lb.	.28	.30½
regular types, dry, bbls., same basis	lb.	.15	.33½
Victoria toner, molybdic, PMA, bbls	lb.	3.90	—
tungstated, PTMA bbls	lb.	6.35	—
Blue, dry colors, dlvd. prices ½c higher Ala., Fla., Ga., La. (Shreveport 1¼c.) Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c higher Pac Coast Denver Pueblo, Salt Lake City Wichita frt. equalized with Chicago.			
Blue dyes are listed under Dyes.			
Blueflag, root, bls	lb.	.45	.48
Bluestone (see Copper sulphate).			
Blue vitriol (see Copper sulphate).			
Boldo leaves, bls	lb.	.11	.13
Bonemeal, raw, 4½% ammon., 50% phos., bgs., works, E	ton.	70.00	Nom.
steamed, works, E	ton.	75.00	—
Bone, phosphate, defluorinated (see D), of lime (see Calcium phosphate, tribasic)			
precipitate, (see Calcium phosphate tribasic, NF, precip.).			
Bones, raw, bulk, Atlantic ports	ton.	60.00	—
Boneset leaves and tops, bls	lb.	.17	.20
Borage flowers, bls	lb.	.40	.45
Borax, tech., anhydrous, bgs., c.l., works	ton.	74.50	—
ton lots, ex whse, N Y or Chi	ton.	120.25	—
less ton lots, same basis	ton.	125.25	—
bulk, c.l. works	ton.	67.50	—
crystals, 99½%, bgs., c.l., works.	ton.	63.75	—
ton lots, ex whse, N Y or Chi	ton.	109.50	—
less ton lots, same basis	ton	114.50	—
bbls., c.l. works	ton.	88.25	—
ton lots, ex whse, N. Y., or Chi	ton	134.00	—
less ton lots, same basis	ton	139.00	—
bulk, c.l., works	ton.	59.25	—
Borax, technical, granular, 99½%, bgs., c.l., works	ton.	37.75	—
less ton lots, same basis	ton.	88.50	—
ton lots, ex whse., N. Y or Chi	ton.	83.50	—
bbls., c.l., works	ton.	62.25	—
ton lots, ex whse, N. Y or Chi	ton.	108.00	—
less ton lots, same basis	ton.	113.00	—
bulk, c.l., works	ton.	33.25	—
powder, bgs., c.l., works	ton.	42.75	—
ton lots, ex whse, N Y or Chi	ton.	88.50	—
less ton lots, same basis	ton.	93.50	—
bbls., c.l., works	ton.	67.25	—
ton lots, ex whse., N. Y or Chi	ton.	113.00	—
less ton lots, same basis	ton.	118.00	—
bulk, c.l., works	ton.	38.25	—
Borax packed in kgs, $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher			
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse, point	lb.	.161	.221
l.c.l., same basis	lb.	.171	.241
Borneol, crs	lb.	2.25	2.50
Borontrifluoride gas, cyls., truckload, works	lb.	.62	—
less truckload, works	lb.	.70	—
Brazilwood extract (see Hypernic extract).			
Brimstone (see Sulphur).			
Bromine, purified, cs., c.l., frt. alld. E. of Rockies	lb.	.25	—
1,000-lb. lots, same basis	lb.	.27	—
dms., lead-lined, dlvd	lb.	.25	—
Bromoform, pharmaceutical grade, bots	lb.	1.62	2.69
cbys.	lb.	1.52	—
Bromstyrol, bots	lb.	5.40	5.70
Bronze powder, aluminum (see Al), Gold, litho, cns, dms, works,	lb.	.75	.83
moulding, cns., dms., works	lb.	.85	1.00
printing ink, cns., dms., works	lb.	1.05	1.25
radiator, cns, dms, works	lb.	.80	.85
Broomtop, bls	lb.	.30	.33
Brown iron oxide, pure, bgs., c.l., works	lb.	.1273-	—
l.c.l., works	lb.	.13	—
Oxide, metallic, bgs, works	lb.	.0375-	—
Sap, crystals, bgs, works	lb.	.12	—
powdered bgs	lb.	.13	—
Sienna, burnt, paper bgs., c.l., works	lb.	.04¼-	.15¼
l.c.l., works	lb.	.04½-	.15½
raw, paper, bgs., c.l., works	lb.	.04½-	.13
l.c.l., works	lb.	.04¾-	.13¼
Umber, burnt, American, bgs., c.l., works	lb.	.06	—
l.c.l., works	lb.	.06¼-	—
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N Y	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	—
raw, American, bgs., works	lb.	.06¼-	.06½
Turkey type bgs., works	lb.	.06¼-	.06½
Vandyke, bbls, works	lb.	.11	—
Brucine, cns., 100-oz. lots	oz.	.30	.32
Sulphate NF cns, 100-oz. lots	oz.	.26	.29
Bryonia root, bls	lb.	.22	.34
Buchu leaves, bls	lb.	.35	.40
Buckthorn bark, bls	lb.	.13	.17
cut and sifted, bls	lb.	.18	.23
Berries, bgs	lb.	.80	.90

Burdock root, bls	lb.	.22	.26
Butadiene cyls refinery	lb.	.22	—
tanks, same basis	lb.	.12½-	—
Butane, indust, tanks, group 3	gal.	.05	—
Butternut bark, bls	lb.	.23	.29
Butyl acetate fermentation, normal, dms., c.l., frt. alld.	lb.	.14¾-	—
l.c.l., same basis	lb.	.15½-	—
tanks, same basis	lb.	.13	—
synthetic normal dms, c.l., dlvd. E	lb.	.14¾-	—
l.c.l., same basis	lb.	.15½-	—
tanks, same basis	lb.	.13	—
secondary, dms., c.l., dlvd. E	lb.	.13¼-	—
l.c.l., same basis	lb.	.14	—
tanks, same basis	lb.	.11½-	—
Alcohol (see Alcohol butyl).			
Aldehyde dms., c.l., dlvd	lb.	.22½-	—
l.c.l., dlvd.	lb.	.23½-	—
tanks, dlvd	lb.	.20¾-	—
Chloride, dms., c.l., works	lb.	.37½-	—
l.c.l., works	lb.	.38	—
Ether (see Ether butyl).			
Lactate, dms., c.l., frt. alld, E. of Rockies	lb.	.34¾-	—
l.c.l., same basis	lb.	.35¾-	—
tanks, same basis	lb.	.33	—
Laurate, dms., works	lb.	.39	—
Methacrylate normal, dms., less truckloads, works	lb.	.70	—
Oleate, refd., dms., l.c.l., works	lb.	.36	—
Phenylacetate, dms	lb	4.50	4.60
Phthalate (see Dibutyl phthalate).			
Stearate, dms, l.c.l., frt. equald	lb.	.24	.27½
Butylamine (see Mono., Di- or Tri-).			
Butyric ether (see Ethyl butyrate).			



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Cacao Butter—Chalk

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars ..... lb. 5.56 - 6.75
Metal, ingots or sticks, cs., dlvd ..... lb. 2.00 - —
Stearate, 50-lb. ctns., l.c.l., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 3.30 - —
anhydrous, dms. ..... lb. 3.50 - —
synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.30 - —
anhydrous, dms., 100 lbs. or more lb. 3.50 - —
Citrated, USP, dms., 100 lbs or more lb. 2.35 - —
Calamine, USP, dms ..... lb. .34 - —
Calamus root, dom., natural, bgs. lb. .25 - .30
imported, bleached, bls ..... lb. .70 Nom.
stripped, bls ..... lb. .30 - .40
Calciferol, cryst., vials, 250 grams or more, works gram. .95 - —
25 to 249 grams, works gram. 1.00 - —
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 4.00
Arsenate dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .16 - .11
l.c.l., same basis ..... lb. .11 - .12
Bromide, NF, jars ..... lb. .90 - .92
Carbide, standard generator size, dms., c.l., dlvd ..ton.134.40 - —
Calcium carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.25.00 - —
liquor, 40%, tankcars, works, frt. alld ..ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
powder, bgs., c.l., works .. ton.35.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls ..... lb. .30 - —
Chromate, bgs., frt. equald ... lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies, lb. .30 - .50
Gluconate, AA, bbls., dms .... lb. .65 - .74
USP, bbls., dms ..... lb. .58 - .67
Glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works ..... lb. 2.40 - 3.00
Hydrochlorite, high test, cns., cased (45 lbs.) dlvd. E. of Rockies, cs.21.00 -23.00
100-lb. lots, same basis dm.25.25 -29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars ..... lb. 4.32 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mancetate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .25¾- —
Nitrate, tech., bbls., works .. lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton.49.25 - —
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted ..gram. .07½- —
Calcium para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted ..lb. 7.00 - —
smaller lots, same basis ....lb. 7.05 - 7.50
Phenolsulphonate, dms ..... lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. ..... 100 lbs. 7.60 - 7.95
feed grade, bgs., c.l., works, ton.90.00 - —
l.c.l., bgs., works ..... ton.95.00 - —
monobasic, bgs., 10,000-lb. lots, works, frt. equald lb. .0625- —
smaller lots, same basis lb. .0675- —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.10 - —
l.c.l., works ..... 100 lbs. 7.45 - —
Phytate, bgs works ..... lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .27¾- —
Silicate, hydrated, bgs., c.l., works, lb. .06 - —
l.c.l., works ..... lb. .06½- —
Stearate, ctns., c.l. ..... lb. .35 - —
ton lots ..... lb. .36 - —
less ton lots ..... lb. .37 - —
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb. lots, works lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.65 - 3.75
Calendula flowers, bls ..... lb. .50 - .65
Calomel, USP powd, dms ..... lb. 4.02 - 4.05
Camphene, dms., incl., c.l., works, lb. .1830- .1930
l.c.l., same basis ..... lb. .1880- .2015
tanks, same basis ..... lb. .1394- .1660
Chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.00 - 3.10
natural, USP, powd., 100-lb. lots, bbls lb. .55 - .60
tablets, 1-oz., ½-oz., cs ... lb. .70 - .75
Camphor, synthetic, tech., bbls., 10 bbls., 1,500-lb. lots .. lb. .55½- —
smaller lots ..... lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots lb. .60 - —
1,000-lb. lots ..... lb. .61 - —
smaller lots ..... lb. .62 - —
tablets, tins, 2,000-lb. lots lb. .93 - —
1,000-lb. lots ..... lb. .94 - —
smaller lots ..... lb. .95 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ..... lb. .25 - .33
Cantharides, Chinese, cs ..... lb. 1.05 - 1.20
powd. bxs ..... lb. 1.15 - 1.40
Russian, bgs ..... lb. 2.80 - 3.25
powd. bxs ..... lb. 2.90 - 3.50
Capsicum (see Pepper, red).
Oleoresin NF from domestic pepper dms lb. 4.25 - 5.75
from African pepper, dms lb. 4.75 - 5.25
Caramel coloring, NF, bbls ... gal. 1.05 - 1.20
Caraway seed, Dutch, bgs ..... lb. .10 - .10¼
Carbazole, 97%, bbls., ton lots, works lb. 1.25 - —
steel-dms., same basis ..... lb. 1.20 - —
Carbinol, methylisobutyl, dms., c.l., dlvd lb. .15¼- —
l.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .73½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. competitive points lb. .0700- —
l.c.l., same basis ..... lb. .0800- —
5-gal. dms., c.l., same basis lb. .0950- —
l.c.l., same basis ..... lb. .1050- —
tankcars, same basis ..... lb. .0490- —
Dioxide, cyls ..... lb. .08 - —
Tetrachloride, CP, dms., works lb. .1097- .1197
NF, chys ..... lb. .17 - .18
tech., dms., c.l., E of Rockies, frt. alld lb. .0847- —
W of Rockies, f.o.b. stock-points lb. .0897- —
l.c.l., E. of Rockies, frt. alld. lb. .1047- —
W of Rockies, f.o.b. stock-points lb. .1107- —
Tetrachloride, tech., tanks, E. of Rockies, frt. alld. lb. .0772- —
W. of Rockies, f.o.b. stock-points lb. .0822- —
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works ..lb 4.10 - 4.75
Cardamom fruit, bleached, cs ....lb. 3.75 - 4.10
medium, cs., afloat .....lb. 3.30 - —
decorticated, Alleppey, cs ...lb 3.00 - 3.10
Guatemalan, cs .....lb. 2.65 - 2.70
Mangalore type, cs .....lb. 2.50 - 2.55
green, Alleppey, bgs .....lb. 2.25 - 2.30
Ceylon, bgs .....lb. 2.25 - 2.30
seed (see Cardamom fruit, decorticated).
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, technical, 1,350,000 A units per gram, tins, works gm. .50 - —
In carrot oil, 5,000,000 to 8,000,000 A units, per lb., dms., works, million units. .18 - —
Microcrystalline, in oil, 400,000 A units per gram, tins, works, million units. .30 - —
Carvol, bots. ..... lb. 7.50 - 7.75
Cascara sagrada bark, bulk ..... lb. .27 - .28
Casein, dom., acid-precip, standard, bgs., 10,000-lb lots or more, ship't point lb. .28 - .32
premium bgs., 10,000-lb. lots or more, ship't point lb. .36½- .40
imported, Argentine, acid-precip., grd., 100-bg. lots or more, ex dock lb. .21 - .23
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J. lb. .22 - —
ton lots, same basis ..lb. .23 - —
dm. lots, same basis ..lb. .25 - —
Cassia, Batavia, cuttings, bls ....lb. .15 - .15¼
longstick .....lb. .18 - .18½
shortstick bls .....lb. .15¾- .16
China, Canton, Kwangsi rolls, select, cs ..lb. .24 Nom.
broken, bls. .....lb. .23 - —
Honan, Yunnan, scraped, bls lb. .28 Nom.
unscraped, bls. .....lb. .27½ Nom.
Saigon, broken, bls .....lb. .35 - .37
medium, bls .....lb. .40 - .42
thin, bls .....lb. .50 - .52
Buds, bgs. .....lb. .65 - .70
Fistula, bskts .....lb. .25 - .30
Castor beans, bgs. f.o.b. Brazilian ports long ton.195.00 Nom.
Oil (see Oil, castor)
Pomace, bgs., c.l., works ...ton.37.25 - —
Castoreum, artificial, cns .....lb. 9.00 - 9.25
natural, cns .....lb. 7.00 -30.00
Catechol, CP, cryst., fib. dms., works lb. 2.17½- —
resublimed dms., works ..... lb. 4.29½- —
Catnip leaves, southern, bls .....lb. .65 - .70
Celery seed, French, bgs. .....lb. .38 - .38¼
Indian, bgs .....lb. .26 - .26½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., dlvd. lb. .40 - .45
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .52 - —
l.c.l., same basis ....lb. .53 - .59
molding, composition, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .48 - —
l.c.l., same basis ....lb. .49 - .55
reprocessed black, dms., l.c.l., same basis lb. .43 - .49
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works ... lb. .64 - —
17% butyryl content, standard cartons, works lb. .54 - —
27% butyryl content, standard cartons, works lb. .64 - —
38% butyryl content, low viscosity, standard cartons, works lb. .68 - —
medium viscosity same basis lb. .54 - —
50% butyryl content, standard cartons, works. lb. .63 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .64 - .71
reprocessed black, dms., l.c.l., same basis lb. .52 - .58
Triacetate, flake, ctns., works, frt. alld. on 100-lb. lots or more lb. .50 - —
Cerium hydrate, dms., works ..lb. 1.44 - 1.60
Oxalate, NF, bbls., bgs., works.lb. No prices.
Oxide, optical grade, bgs., 50-lb. lots or more, works ..lb. 1.85 - 2.00
smaller lots, works ....lb. 1.90 - 2.10
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .0295- .035
l.c.l., ex whse ..... lb. .0395- .05
paint, bgs., c.l., works ..... ton.40.00 —
papermakers, bgs., c.l., works, ton.32.50 -40.00
rubber makers, bgs., c.l., works, ton.55.00 -60.00

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CARBON DIOXIDE (SOLID)
CARBON TETRACHLORIDE
CARBOXYMETHYLCELLULOSE
CAUSTIC POTASH
CAUSTIC SODA
CHLORIDE OF LIME
CHLORINE
COPPER SULPHATE
EPSOM SALTS
ETHYLENE DICHLORIDE
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GLYCERINE
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POTASSIUM BICHROMATE
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SODIUM BISULPHATE
SODIUM BISULPHITE
SODIUM BICHROMATE
SODIUM CHROMATE
SODIUM HYDROSULFITE
SODIUM HYPOSULFITE
SODIUM METASILICATE
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SODIUM ORTHOSILICATE
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SODIUM PHOSPHATES, All types
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Chamomile flowers, Hungarian and Hungarian style, cs.	lb.	.90	.95
Roman, cs.	lb.	.80	.90
Charcoal, activated, NF, fib. dms., c.l., works	lb.	.25	.32
5-ton lots, works	lb.	.26½	.32½
smaller lots, works	lb.	.27	.50
Bone (see Black, bone).			
Hardwood, briquets, bgs., c.l., works	ton	77.00	88.00
bulk, c.l., works	ton	70.40	—
granular, bgs., works	ton	77.00	—
Pinewood, gran., powd., bgs., c.l., works, South	ton	43.50	—
l.c.l., works	ton	43.50	53.50
lump bgs., c.l., works, South	ton	40.00	—
l.c.l., works, South	ton	50.00	60.00
bulk, c.l., works, South	ton	33.50	—
Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0510	—
l.c.l., works	lb.	.0543	—
tanks, works	lb.	.0425	.0440
powd., 60% tannin, bgs., extra, c.l., works	lb.	.1092	—
l.c.l., works	lb.	.1165	—
Chloral, tech., 94% min., dms., c.l., works	lb.	.23	—
l.c.l., works	lb.	.24	—
tanks, works	lb.	.21	—
Chloral hydrate, USP, 40-lb. jars, 1,000-lb. lots	lb.	1.30	—
500-lb. lots	lb.	1.33	—
100-lb. lots or less	lb.	1.35	1.40
Chloramine T, NF, bbls. works	lb.	.75	1.00
Chlordane, agricultural, dms., pails, c.l., frt. alld	lb.	.65	—
l.c.l., frt. alld	lb.	.66	.73
refined, dms., c.l., frt. alld	lb.	.75	—
l.c.l., frt. alld	lb.	.76	.83
Chlorinated paraffin, 42%, dms., c.l., frt. alld	lb.	.14	—
l.c.l.	lb.	.14¾	—
70%, dms., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.19	—
Chlorinated rubber, 5, 10, 20 cps., ctns., c.l., works	lb.	.55	—
l.c.l., works	lb.	.57	—
125, 1,000 cps., ctns., c.l., works	lb.	.60	—
l.c.l., works	lb.	.61	.62
Chlorine, liquid, cyls., c.l.	lb.	.08¾	—
l.c.l., N.Y., stock points	lb.	.10¼	—
tanks, single units, works, frt. equald	100 lbs.	2.70	—
W. of Rockies	100 lbs.	2.82½	—
multiple units, 3 cars, works, frt. equald	100 lbs	3.10	—
2 cars, same basis	100 lbs	3.80	—
1 car, same basis	100 lbs	4.40	—
Chloroform, tech, dms., c.l., dlvd. E	lb.	.18	.182
l.c.l., same basis	lb.	.192	.20
tanks, same basis	lb.	.17	.171
USP, dms.	lb.	.30	.35
Chloro(4)-2-Toluidine, bbls	lb	1.38	—
Chlorophyll, oil soluble 4%, not fixed, tins, pails, works	lb.	4.25	—
copper fixed, 6½%, tins, pails, works	lb.	4.25	—
Chlorophyll, oil soluble, sodium-copper, dms., pails, aqueous sol., 4%, works	lb.	3.75	—
8%, pails, dms., works	lb.	4.00	4.80
14%, dms, works	lb.	8.90	—
concentrated, dom., 50%, dms., works, basis 100%	lb.	56.50	60.00
75%, dms., works, basis 100%	lb.	60.00	—
90%-100%, dms., works, basis 100%	lb.	60.00	67.00
imported, 60%, dms., basis 100%	lb.	60.00	—
75%, dms, basis 100%	lb.	60.00	—
90%, dms., basis 100%	lb.	60.00	—
Chloropicrin, com'l, bots	lb	1.50	—
cyls., 180 lbs., frt. alld	lb	.95	—
100 lbs. same basis	lb	.97	—
25 lbs., same basis	lb	1.22	—
Cholesterol, USP, fib. dms., 100-lb. lots	lb	8.80	9.50
5-lb. pkg.	lb	9.00	10.50
1-lb. pkg.	lb	9.50	10.50
Choline bitartrate, fib. dms., frt. adjusted	lb.	1.70	1.95
Chloride, fib. dms. same basis	lb	1.70	1.95
Dihydrogen citrate, fib. dms., same basis	lb.	1.70	1.95
Chromium acetate powd. 72% Cr., bbls., works	lb.	No stocks.	
solut., 7½% bbls. works	lb.	.08½	—
cbys. works	lb.	.10¼	—
8½%, bbls. works	lb.	.09	—
cbys. works	lb.	.10¾	—
Fluoride, bbls., works	lb.	.44½	—
Green (see Green, chrome).			
Oxide (see Green, chromium oxide)			
Oleate, solid, bbls	lb.	.49	—
Trioxide, NF bots	lb.	.82	.89
Yellow, (see Yellow, chrome).			
Chrysarobin, USP, bots.	lb.	6.50	8.00
Cinchona bark, NF, red, broken, bgs	lb.	.28	.30
yellow, broken, bgs	lb.	.28	.30
Cinchonidine, cryst., cns 100 oz.-lots	oz.	.71	.72
Sulphate, cns, 100 oz.-lots	oz.	.37	.40½
Cinchonine, cryst., cns., 100 oz.-lots.	oz.	.52	.57
Sulphate, NF, cns., 100 oz.-lots	oz.	.27	.30½
Cinchophen, NF heavy density, dms., frt. adjusted	lb	3.70	4.05
standard density, dms., same basis	lb.	3.50	3.85
Cinchophen-sodium dms. frt adjusted	lb	4.50	4.85
Cinnamic alcohol (see Alcohol cinnamic)			
Aldehyde, NF cns., dms	lb	1.05	1.30
Cinnamon, Ceylon, No. 2, bls.	lb.	.25	—
Citral, bots., cns	lb.	3.40	3.75
Citronellal, bots., dms	lb.	1.65	2.00
Citronellol, bots., dms.	lb.	2.05	2.45
Civet, artificial, bots	lb	13.75	15.00
natural, bots	oz	3.50	7.00
Clay, ball dom. crushed, bulk, Tennessee	ton	10.00	12.00
airfloated bgs. c.l., Tennessee	ton	19.50	—
purified, bgs. c.l., Tennessee	ton	20.50	—
imported, lump, bulk, Atlantic port, long	ton.	27.00	30.00
airfloated, bgs. c.l. Atlantic port, long	ton.	43.00	45.00
pulverized, bgs., l.c.l., all ports	ton	55.00	—
97%, 200 mesh, bgs. c.l. Georgia	ton.	54.00	56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs. c.l. works	ton	11.50	14.50
l.c.l., works	ton	35.30	—
bulk, c.l., works	ton	8.50	11.50
200 mesh, bgs., c.l., works	ton	13.50	17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me	gross ton	20.00	40.00
powd. bgs. c.l., ex dock	net ton	50.00	—
l.c.l. ex whse	net ton	60.00	65.00
Clove, Madagascar, bls.	lb.	1.55	—
Zanzibar, bls.	lb.	1.55	—
Clover tops, red, bgs.	lb.	.45	.50

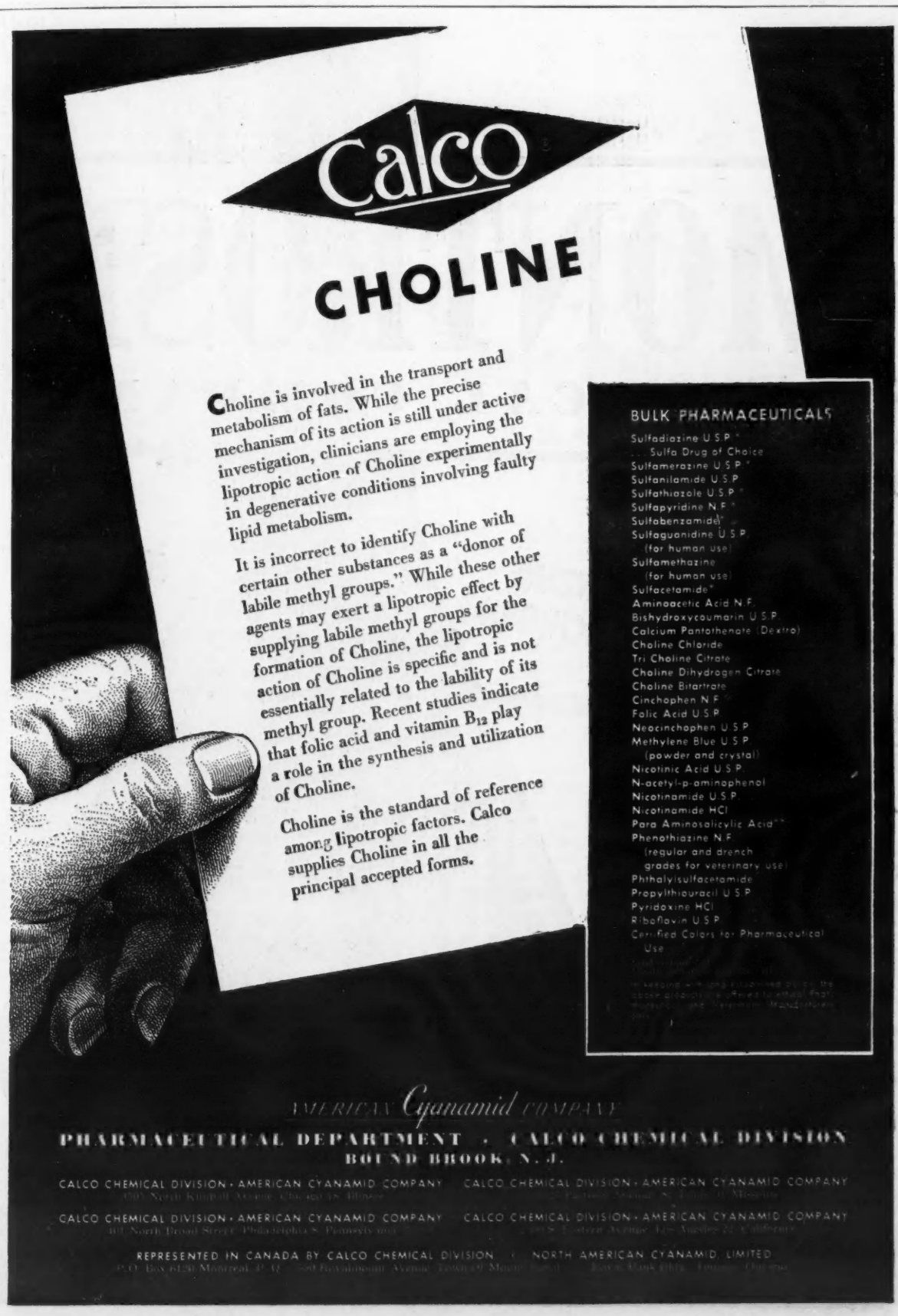
CMC, purified, high vis., (see Gum, cellulose). standard low vis., bgs., 23,000 lbs. or over, works, frt. alld.	lb.	.60	—
smaller lots, same basis	lb.	.62	—
medium vis., bgs., 23,000 lbs. or over, works, frt. alld.	lb.	.57	—
smaller lots, same basis	lb.	.59	—
technical, high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd. E., 100% basis	lb.	.56	—
2,000 to 20,000 lbs., dlvd. E.	lb.	.58	—
less than 2,000 lbs., dlvd. E.	lb.	.62	—
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E., basis 100%	lb.	.46	.47
l.c.l., dlvd. E., basis 100%	lb.	.48	.49
58% purity, bgs., c.l., dlvd. E. basis net weight	lb.	.34	—
l.c.l., dlvd. E	lb.	.36	—
47½% purity, bgs., c.l., dlvd., E., basis 100%	lb.	.46	—
l.c.l., dlvd. E	lb.	.48	—
36½% purity, bgs., c.l., dlvd. E., basis net weight	lb.	.18½	—
l.c.l., dlvd E	lb.	.20	—

Prices for technical grades of CMC West of the Rocky Mountains are 1c. per pound less than delivered prices.

Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse.	gal.	.24	.27½
l.c.l., ex-whse	gal.	.26	.28½
tanks, ex-whse	gal.	.14	.15
refd., resale, dms., c.l., ex-whse	gal.	.25	.28½
l.c.l., ex-whse	gal.	.27	.29½
tanks, ex-whse	gal.	.15	.16

Cobalt acetate, 23.7% bbls., dlvd	lb.	1.14¾	—
Carbonate, 48%, powd., bgs., dlvd	lb.	1.92½	—
Chloride, 24.2% Co., kgs., dlvd.,	lb.	1.10½	—
Hydrate, 60-61% Co., bbls., dlvd.	lb.	2.52	—
Linoleate, fused, 8½% Co., dms.	lb.	.64½	—
liquid, 6% Co., dms	lb.	.53¼	—
Metal, 97.99%, kgs., ex-whses	lb.	2.40	—
Naphthenate, liq., 6% Co., dms.,	lb.	.42¾	—
Nitrate, 20.1% Co., bbls., dlvd	lb.	.99¼	—
Oxide, black, 70-71% Co., kgs	lb.	1.76	—
Phosphate, powdered, 32.1% Co., kgs., dlvd.	lb.	1.57¾	—
Resinate, fused, 3% Co., dms	lb.	.27	—
Sulphate, cryst., 21% Co., dms., dlvd	lb.	.81¾	—
monohydrated, 33% Co., dms. dlvd	lb.	1.28½	—
Cocaine, USP, cns., 100-oz. lots	oz.	15.00	—
Hydrochloride, cns. 100-oz. lots	oz.	11.75	—
Cochineal, USP gray, bgs	lb.	.68	.90
Cocillana bark, bgs	lb.	.16	.17
Cocoa butter, bgs	lb.	.65	—
Codeine, NF, cns., 100-oz. lots	oz.	13.25	—
Hydrochloride, cns., 100-oz. lots.	oz.	11.75	—
Phosphate, USP, cns., 100-oz. lots.	oz.	10.25	—
Sulphate, USP, cns., 100-oz. lots.	oz.	10.75	—
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls	lb.	.22	.25
Blue, bls	lb.	.17	.18
Colchicine, USP, bots., cns.	oz.	65.00	70.00
Colchicum root, bls	lb.	.45	.60
Seed, bgs	lb.	.80	1.10
Collodion, USP, dms.	lb.	.32½	—
flexible, USP, dms.	lb.	.34	—

Colocynth pulp, bls	lb	.30	.35
Colombo root, bls., to arrive	lb.	.22	—
Coltsfoot leaves, bgs	lb.	.25	.30
Condurango bark, bgs	lb	.17	.18
Copaiba balsam, cns., dms.	lb.	1.00	1.75
Copper acetate, bbls., c.l. works	lb	.34¾	—
l.c.l., works	lb	.35¾	—
Carbonate 55% bgs. works	lb	.22	.23½
Chloride, anhyd., bbls., works	lb.	.34½	—
crystals, bbls., works	lb	.22¾	—
Citrate USP 5-lb bots	oz	2.40	—
Cyanide, tech., bbls., over 1,000-lb. lots or more	lb.	.613	—
less than 1,000 lbs.	lb.	.633	—
Gluconate cns., dms	lb.	3.00	3.24
Hydrate dms. frt. alld E. Miss.	lb	.36	.36½
Metal, electrolytic	lb	24½	27½
Naphthenate, liquid 8% Cu, dms., frt. alld	lb.	.22¾	—
Nitrate, tech. cryst. bbls., works.	lb.	.25¼	—
Oleate, solid, 9% Cu, dms., works.	lb.	.45	—
Oxide, black, bbls., works	lb.	.39	.40
red, com'l, bbls., c.l., works	lb.	.43	.45½
l.c.l., works	lb.	.44	.45½
Oxychloride-sulphate, bgs., frt. alld	lb.	.24½	Nom.
Quinolinolate, fib. dms	lb.	4.25	4.50
Resinate, precip., dms., frt. alld	lb	.27½	—
Stearate, ton lots, works	lb	.38½	.39½
less ton lots, works	lb	.40½	—
Sulphate, cryst., 99%, bgs., c.l., works	100 lbs.	8.95	9.35
l.c.l.	100 lbs	9.20	10.95
CP, cryst., gran., bbls., works.	lb	.1615	—
monohydrated, 35%, dms., c.l. works	100 lbs.	14.95	15.50


Calco
CHOLINE
Choline is involved in the transport and metabolism of fats. While the precise mechanism of its action is still under active investigation, clinicians are employing the lipotropic action of Choline experimentally in degenerative conditions involving faulty lipid metabolism.
It is incorrect to identify Choline with certain other substances as a "donor of labile methyl groups." While these other agents may exert a lipotropic effect by supplying labile methyl groups for the formation of Choline, the lipotropic action of Choline is specific and is not essentially related to the lability of its methyl group. Recent studies indicate that folic acid and vitamin B_{12} play a role in the synthesis and utilization of Choline.
Choline is the standard of reference among lipotropic factors. Calco supplies Choline in all the principal accepted forms.
BULK PHARMACEUTICALS
Sulfadiazine U.S.P.*
... Sulfa Drug of Choice
Sulfamerazine U.S.P.*
Sulfanilamide U.S.P.
Sulfathiazole U.S.P.*
Sulfapyridine N.F.*
Sulfabenzamide*
Sulfaguanidine U.S.P. (for human use)
Sulfamethazine (for human use)
Sulfacetamide*
Aminoacetic Acid N.F.
Bishydroxycoumarin U.S.P.
Calcium Pantothenate (Dextro)
Choline Chloride
Tri Choline Citrate
Choline Dihydrogen Citrate
Choline Bitartrate
Cinchophen N.F.*
Folic Acid U.S.P.
Neocinchophen U.S.P.
Methylene Blue U.S.P. (powder and crystal)
Nicotinic Acid U.S.P.
N-acetyl-p-aminophenol
Nicotinamide U.S.P.
Nicotinamide HCl
Para Aminosalicylic Acid**
Phenothiazine N.F. (regular and drench grades for veterinary use)
Phthalylsulfacetamide
Propylthiouracil U.S.P.
Pyridoxine HCl
Riboflavin U.S.P.
Certified Colors for Pharmaceutical Use
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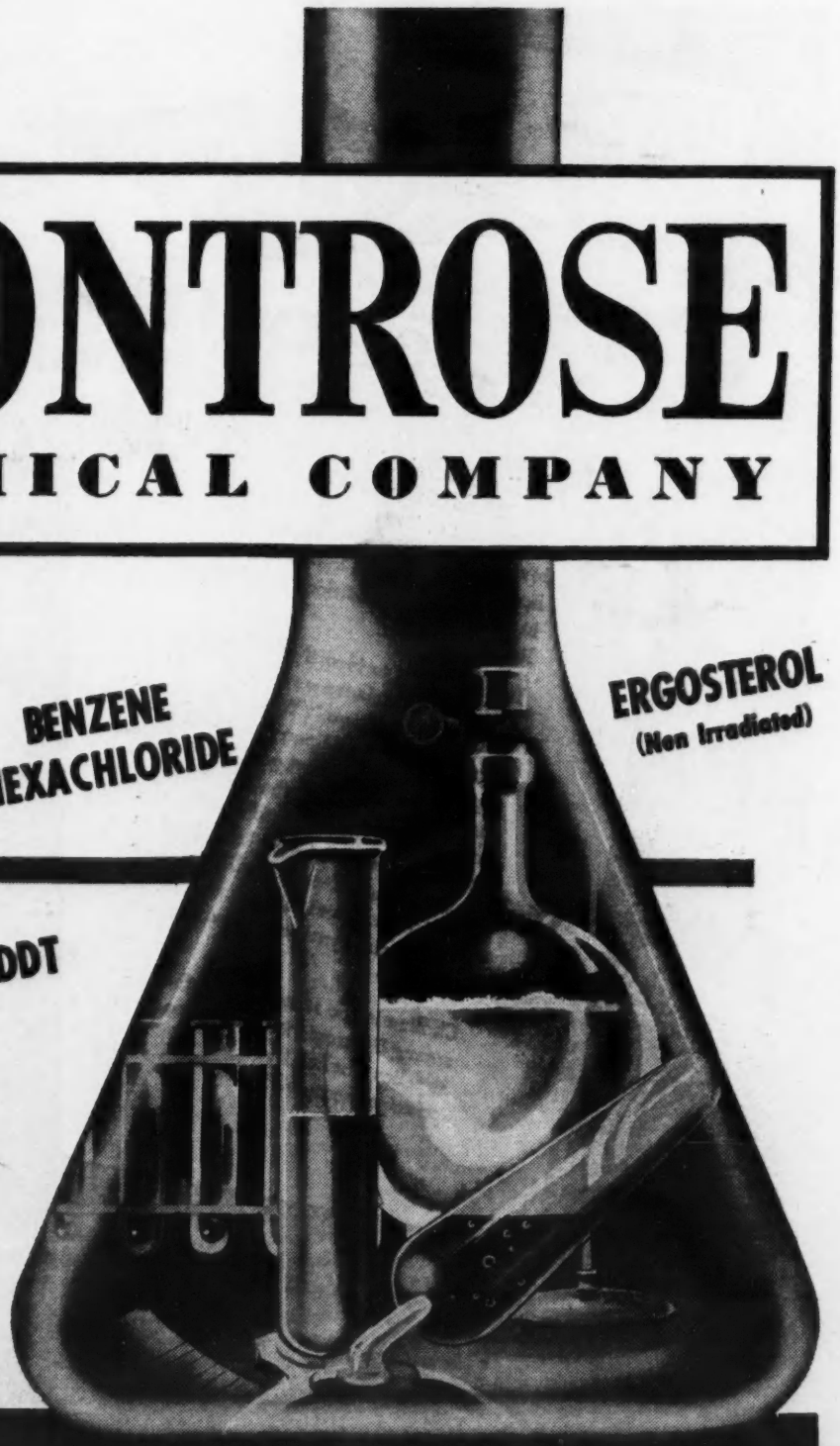
Copper Sulphate, Tribasic—Diethylethanolamine

Copper sulphate, tribasic, dealers, bgs., c.l., works, frt. alld 100 lbs. 25.60 - —
i.c.l., works 100 lbs. 27.10 - —
USP, gran., cryst., dms lb. 16[illegible] .2500
Undecylenate, dms. lb. 2.90 3.00
Copperas, gran. bgs., c.l., works ton. 28.50 - —
i.c.l., dlvd. Metro area 100 lbs 3.60 - —
bbls., c.l., works ton 34.00 - —
bulk c.l., works ton 21.00 - —
Copra, Atlantic Gulf ports, c.i.f. ton. 200.00 - —
Pacific ports, c.i.f. ton. 195.00 - —
Coriander seed, Argentine, bgs lb. .08½- .09
Czech, bgs lb. .07 - .07½
Moroccan, bgs. lb. .06 - .06½
Roumanian, bgs lb. .07½- .08
Corn sugar tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.30 - —
Syrup, 42°, dms., c.l. 100 lbs. 7.32 - —
i.c.l. 100 lbs. 7.47 - —
Cornsilk, bls lb. .12 - .14
Corrosive sublimate, NF, cryst., dms., 50-lb. lots or more lb. 3.68 - —
gran. powd., dms., 50-lb. lots or more lb. 3.53 - —
Cottonroot bark, bls lb. .24 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.50 - —
Meal, 41% protein, sacked, Memphis ton. 80.00 Nom.
Coumarin cryst., NF, cns. lb. 2.94 - 3.15
powd., cans lb. 2.20 - 3.25
Cramp bark, NF, bls lb. .90 .90
Cranesbill root, bls lb. .40 - .41
Cream of tartar, NF, dom., gran. or powd., dms. lb. .34½- —
bbls., 5,000 lbs. one shipment lb. .35 - —
smaller lots, bbls., kgs. lb. .35½- .38½
imported, kgs. lb. .27¾- —
Creosote carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
solution, 50%, tanks, works, gal. .188 - —
refined, dms., c.l., works gal. .35 - —
i.c.l., same basis gal. .41 - —
tanks, same basis gal. .27 - —
Wood, beechwood, cbys., dms. lb. 1.35 - 1.40
hardwood, bots., cbys lb. 1.05 - 1.10
pinewood, dms gal. .31 - .32
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, dms., c.l., frt. equald. lb. .156 - —
i.c.l., same basis lb. .161 - —
ret. dms., c.l., same basis. lb. .155 - —
i.c.l., same basis lb. .16 - —
tanks, same basis lb. .145 - —
USP, non-ret. dms., c.l., same basis lb. .168 - —
i.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .161½- —
i.c.l., same basis lb. .17 - —
tanks, same basis lb. .155 - —
Crotonaldehyde, 91-93%, i.c.l., works. lb. .24¼- .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs. 10.90 —
i.c.l., works 100 lbs. 11.25 -11.50
Insecticide, dealers, bgs., c.l., dlvd 100 lbs. 15.25 - —
i.c.l., dlvd. 100 lbs. 16.25 - —
Cube root, powd., 5% rotenone, bgs., works lb. .23 - .25
Cubeb berries, XX NF, bgs. lb. .45 - .52
powd., cs. lb. .55 - .60
Culvers root, bbls. lb. .60 - .61
Cumene, dms., c.l., works lb. .12 - —
i.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs. lb. .16 - .16½
Moroccan, bgs. lb. .22 Nom.
Syrian, bgs. lb. .17 - .17½
Cutch extract, 55% tannin bgs., ex dock, duty extra lb. .08¼- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran. bgs., Niagara Falls, Ont., contract ton. 62.50 - —
pulv., 21% N, bgs., works unit ton. 2.90 - —
Cyclohexane, tech., 95%, dms., c.l., dlvd lb. .11 - —
i.c.l., dlvd. lb. .11¾- —
tanks, dlvd. lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works, frt. alld. E lb. .24¾- .37¾
i.c.l., works, same basis lb. .25¼- .38¼
tanks, works, same basis lb. .23¼- .36¼
Cyclohexanone, tech., dms., c.l lb. .26½- .30
i.c.l. works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .41½- —
i.c.l. works lb. .42½- —
tanks, works lb. .40 - —
Cyclopropane CP 2 lb. cyls. works. cyl. 48.00 - —
6 oz. cyls., works cyl. 12.00 - —
USP, hospitals, cyls., 40 gal. lots. gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2, 4-D bbls., c.l., works, frt. equald. lb. .61 - —
i.c.l., same basis lb. .67 - —
isopropyl ester, dms., c.l., works. lb. .67 - —
i.c.l., works lb. .72 - .74
Damiana leaves, bls. lb. .28 - .30
Dandelion root, bls. lb. .45 - .50
DDD, tech., fine grd. fib. dms., c.l., works lb. .60 - —
i.c.l. works lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald. lb. .32 - .33
smaller lots, same basis. lb. .35 - .36
Decanol, normal, tech., dms., c.l., dlvd lb. .419 - —
i.c.l. dlvd lb. .439 - —
tanks, dlvd lb. .394 - —
Deertongue leaves, bls lb. .42 - .43
Defluorinated phosphate, 13% P. paper bgs., works ton. 49.25 - —
18½% P. paper bgs., works ton. 62.75 -63.75
Rock, 14½% P. paper bgs., works ton 50.00 - —
Degras, commcn, bbls lb. .11 - .12
crude, centrifugal, bbls lb. .18 - .20
neutral, less 2% ffa. bbls lb. .30½- —
over 2% ffa., bbls lb. .30 - —
Derris root, 5% rotenone powd., bbls lb .32 - .35
Desoxyepnedrine hydrochloride, dextro, bots lb. 25.00 - —
dextro-laevo, bots lb 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N.Y. 100 lbs. 8.85 - —
i.c.l. 100 lbs. 9.10 - —
canary, paper bgs, c.l. 100 lbs. 8.69 - —
i.c.l. 100 lbs. 8.84 - —
dark, paper bgs., c.l. 100 lbs. 8.79 - —
i.c.l. 100 lbs. 8.94 - —
white, paper bgs., c.l. 100 lbs. 8.72 - —
i.c.l. 100 lbs. 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs. lb. .10½- .11
Dextrose, USP dms lb. .17¾ —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 4.60
laboratory grade, bots 100 grams. 4.50 - —
tech., bots. works lb 3.00 - —
Diamyl etner (see Ether, amyl).
Dianisidin, dms lb 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 32.00 -55.00
California ton. 42.00 -45.00
i.c.l., ex whse ton 85.00 -90.00
purified, bgs., c.l., Atlantic coast ton. 65.00 - —
California ton. 53.00 - —
i.c.l., ex whse ton. 95.00 -100.00
Atlantic coast ton. 95.00 -100.00
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
i.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, CP, dms., c.l., works lb. .92 - —
i.c.l., works lb. .93¾- —
tanks, works lb. .91 - —
Dibutyl phthalate, dms., c.l. dlvd., E lb. .35¾- —
i.c.l., same basis lb. .36¾- —
tanks, same basis lb. .34 - .34½
Sebacate, CP, dms., c.l., works. lb. .92 - —
i.c.l., works lb. .93 - —
tanks, works lb. .90¼- —
tech., dms., c.l., works lb. .90 - —
i.c.l. works lb. .91 - —
tanks, works lb. .88¼- —
Tartarate, dms., works, frt. alld. lb. .71 - —
Dibutylamine, dms., c.l., frt. alld. E. of Rockies lb. .54¾- —
i.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Dicaprvl phthalate, dms., c.l., dlvd. lb. .38¾- .38¾
i.c.l., dlvd lb. .37 - .39¾
tanks, dlvd lb. .35 - .37
Sebacate, dms., c.l., works lb. .78½- —
i.c.l., works lb. .79½- —
tanks, works lb. .76¾- —
Dichloroaniiin, dms., works lb. 75 .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .05 - —
i.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .48 - —
i.c.l., works lb. .48¾- —
tanks, works lb. .44½- —
Dicyclohexylphthalate, fib dms., c.l., works lb. .60 - —
i.c.l., same basis lb. .61 - —
Dieldrin, dms., frt. alld lb. 2.60 - —
i.c.l., frt. alld lb. 3.04 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .29¼- —
i.c.l., same basis lb. .30¼- —
tanks, same basis lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾- —
i.c.l., same basis lb. .47¾- —
tanks, same basis lb. .45 - —
Maleate, dms., c.l., dlvd. lb. .50 - —
i.c.l., dlvd lb. .48¼- —
tanks, dlvd lb. .48½- —
Oxalate, dms., c.l., frt. alld. lb. .41¾- —
i.c.l., same basis lb. .42¾- —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .31¼- —
i.c.l., dlvd lb. .32¼- —
tanks, dlvd lb. .29½- —
Sulphate, dms., c.l., works lb. .18¾- —
i.c.l. works lb. .19¼- —
tanks, works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .54¼- —
i.c.l., same basis lb. .55¼- —
tanks, same basis lb. .52½- —
Diethylanilin, dms lb. .48 - —
Diethyleneglycol, dms., c.l., dlvd. E. lb. .20¼- —
i.c.l., same basis lb. .21¼- —
tanks, same basis lb. .18½- —
Boriborate, dms., i.c.l lb. .30½- —
Diethylether, dms., c.l., works lb. .46½- —
i.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾- —
i.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Monobutylether acetate, dms., c.l., works lb. .30 - —
i.c.l., works lb. .30½- —
Monoethylether, dms., c.l., dlvd. lb. .20¾- —
i.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Monoethylether acetate, dms., c.l., works lb. .26¾- —
i.c.l., works lb. .27¼- —
Monomethylether, dms., c.l., works. lb. .24½- —
i.c.l., works lb. .25¼- —
tanks, works lb. .23½- —
Diethylenetriamine, dms., c.l., dlvd E. lb. .43 - —
i.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylethanolamine, dms., c.l., dlvd lb. .67½- —
i.c.l., same basis lb. .68½- —
tanks, same basis lb. .65¼- —

MONTROSE
CHEMICAL COMPANY



SALES AGENTS, R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Diethylstilbestrol, USP, bots., 10-kilo lots..kilo.115.00 -150.00
1 kilo lot..kilo.135.00 -150.00
Digitalis leaves, USP, dom., dms. lb. 1.10 - 1.15
Digitoxin, USP, bots..gram. 6.50 - 8.00
Diglycol laurate, dms..lb. .30½- .34
Oleate, dms..lb. .28½- .29½
Stearate, dms..lb. .25 - .26½
Dihexyl sebacate, dms., c.l., works. lb. .76½- —
t.c.l., works..lb. .77½- —
tanks, works..lb. .74¾- —
Dihydrazine sulphate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin, either hydrochloride or sulphate, bulk. gram. .24 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms..lb. 1.15 - 1.25
Di-isobutyl ketone, dms., c.l., dlvd.lb. .15¼- —
l.c.l., dvld..lb. .16¼- —
tanks, dlvd..lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .34¾- —
l.c.l dlvd. E..lb. .35¾- —
tanks, dlvd., E..lb. .33 - —
Di-isobutylene, dms., c.l., works lb. .09½- —
l.c.l., works..lb. .10 - —
tanks, works..lb. .07½- —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .38¾- —
l.c.l., same basis..lb. .39¾- —
tanks, same basis..lb. .37 - —
Di-isopropylamine, dms., c.l., dlvd. E of Rockies lb. .49¾- —
l.c.l., same basis..lb. .50¾- —
tanks, same basis..lb. .48 - —
Dillseed, dewhiskered, bgs..lb. .12½ Nom.
natural, bgs..lb. .11 - .11½
Dimethyl anthranilate, cns..lb. 5.50 - 5.90
Chloroacetal, dms., c.l., works. lb. .53 - —
l.c.l., works..lb. .55 - —
tanks, works..lb. .51 - —
Dimethyl hydroquinone, dms...lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd..lb. .29¼- —
l.c.l., dlvd..lb. .30¼- —
tanks, dlvd..lb. .27½- —
Sebacate, dms., c.l., works...lb. 1.31¾- —
l.c.l., works..lb. 1.32¾- —
tanks, works..lb. 1.30 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 - —
l.c.l., works..lb. .16 - —
10-gal. ret dms., works..lb. .16½- —
Dimethylamine, 25-40%, dms., c.l., works, basis 100%..lb. .37 - .38
l.c.l., works, basis 100%..lb. .37½- .38½
tanks, works, basis, 100%..lb. .33 - —
Dimethylanilin, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld..lb. .27 - —
tanks, frt. allo..lb. .25 - —
Dimethylethanolamine, anhydrous, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd..lb. 1.45 - —
tanks, dlvd..lb. 1.40 - —
70%, dms., c.l., dlvd., basis 100%. lb. .54 - —
l.c.l., dlvd..lb. .55 - —
tanks, dlvd..lb. .52¼- —
Dimethylformamide, dms., works.lb. .37 - —
tanks, works..lb. .34 - —
Dinitroaniiin dms., frt. equald...lb. .57 - —
Dinitrobenzene, crude, dms..lb. .20 - —
purified, dms..lb. .22 - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼- —
l.c.l., frt. alld. E..lb. .15¾- —
tanks, frt. alld. E..lb. .15 - —
Dinitrophenol, bbls..lb. .34 - —
Dinitrotoluene, oily, dms..lb. .10 - —
refd., dms..lb. .21 - —
Dioctyl adipate, dms., c.l., works lb. .44¾- —
l.c.l., works..lb. .45¾- —
tanks, works..lb. .43 - —
Phthalate, dms., c.l., frt. alld. lb. .38¾- .41¾
l.c.l., frt. alld..lb. .39¾- .42¾
tanks, frt. allo..lb. .37 - .40
Diorthotolyiguanidin, dms., ton lots, dlvd lb. .54 - —
smaller lots, dlvd..lb. .55 - —
Dioxane, dms., c.l., works..lb. .28¾- —
l.c.l., same basis..lb. .29¼- —
tanks, same basis..lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., c.l., works. lb. .34 - —
l.c.l., works..lb. .37 - —
Dipentene, dest-dist., dms., extra, c.l., works gal. .49 - —
l.c.l., works..gal. .50 - —
whse..gal. .68 - —
steam-dist., dms., c.l., works, South..gal. .60 - —
l.c.l., works, South..gal. .69 - —
dlvd, N. Y..lb. .83 - —
Diphenyl, bbls, c.l., works..lb. .15 - —
l.c.l., works..lb. .16 - —
Price in bags ¼c. lower.
Oxide, perfume grade, cns...lb. .54 - .65
Phthalate, dms., c.l., works...lb. .51¾- —
l.c.l., same basis..lb. .53¾- —
Diphenylamine, refined, gran., bbls., c.l., works lb. .28 - —
l.c.l., works..lb. .30 - —
tanks, works..lb. .25 - —
tech, tanks, works..lb. .24 - —
Diphenylguanidin, dms., ton lots..lb. .44½- —
smaller lots..lb. .45½- —
Diphenylhydantoin-sodium, USP, dms. lb. 5.30 - 5.60
Dipropyleneglycol, dms., c.l., frt. alld lb. .16¾- .17
l.c.l., same basis..lb. .17¾- .18
tanks, same basis..lb. .15 - —
Methylether, dms., c.l., dlvd. E lb. .20¾- —
l.c.l., same basis..lb. .21¾- —
tanks, same basis..lb. .19¼- —
Di-secondary-amylphenol, dms., c.l., works..lb. .30¼- —
l.c.l., works..lb. .33¼- —
tanks, works..lb. .28¼- —
Di-tertiary-amylphenol, dms., c.l., works..lb. .30¼- —
l.c.l., works..lb. .33¼- —
tanks, works..lb. .28¼- —
Di-tertiary-butylmetacresol, dms., c.l., works lb. .31 - —
l.c.l., works..lb. .33 - —
tanks, works..lb. .30 - —
Di-tertiary butylparacresol, dms., c.l., works. lb. .91 - —
l.c.l., works..lb. .95 - —
Divi-divi, 45% tannin bgs., bls., c.l., U.S. ports, exdock..ton.70.00 -72.00
Divinylbenzene 20-25%, dms., c.l., works. lb. .20 - —
l.c.l., works..lb. .21 - —
tanks, works..lb. .19 - —
40-50%, basis 100%, dms., c.l., works. lb. 1.00 - —
l.c.l., works..lb. 1.15 - —
Dodecylbenzene, dms., c.l., works.lb. .16 - —
l.c.l., works..lb. .17 - —
tanks, works..lb. .13½- —
Doggrass root, dom., cut, bls...lb. .26 - .28
imp., cut, bls..lb. .28 - .35
Dogwood bark, Jamaica, bls....lb. .11 - .13
Dragon's blood, mass, cs.....lb. 1.25 - 1.30
reeds, cs..lb. 1.40 - 1.45
Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb. lots dlvd:—
Blue, FD&C, No. 1, cns.....lb.17.00 -17.60
No. 2, cns..lb.17.00 -17.60
Green FD&C, No. 1, cns.....lb.17.00 -17.60
No. 2, cns..lb.22.20 -22.85
No. 3, cns..lb.35.25 -35.90
Orange, FD&C, No. 1, cns lb 3.65 3.75
No. 2, cns..lb. 4.65 4.75

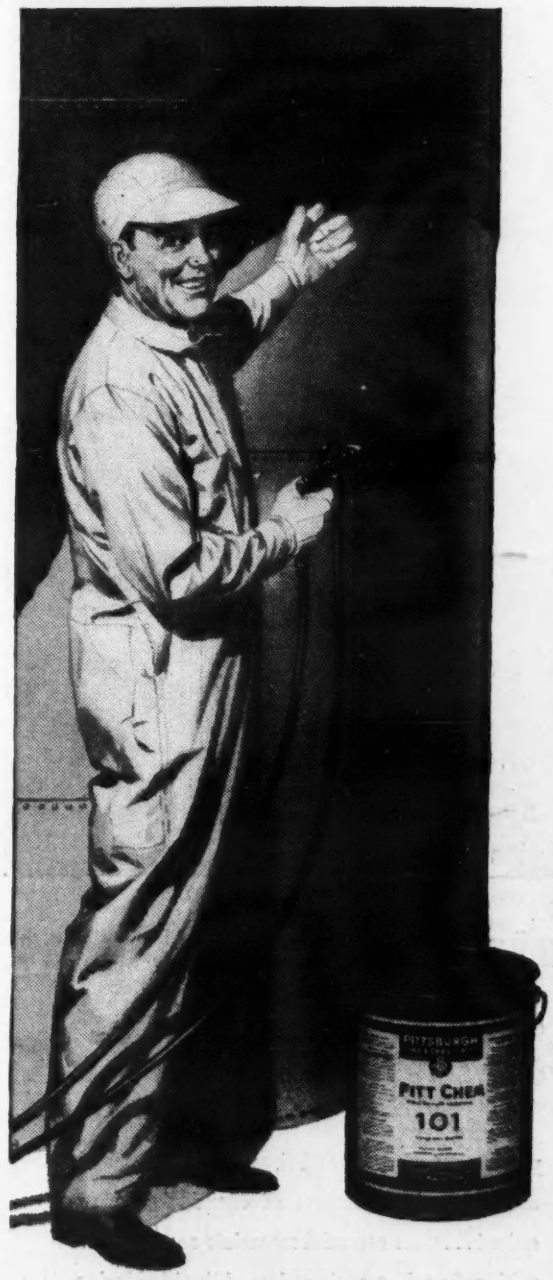
Dyes, coaltar, certified, colors for food, drugs and cosmetics, 5-lb and 1-lb. lots, dlvd.:—
Red, FD&C, No. 2, cns.....lb. 7.55 - 7.85
No. 2, cns..lb. 4.00 - 4.10
No. 3, cns..lb.22.20 -22.85
No. 4, cns..lb. 7.20 - 7.50
No. 32, cns..lb. 5.30 - 5.40
Violet, FD&C, No. 1, cns.....lb.17.00 -17.60
Yellow, FD&C, No. 1, cns.....lb.10.50 -11.05
No. 3, cns..lb. 3.30 - 3.40
No. 4, cns..lb. 3.30 - 3.40
No. 5 cns..lb. 4.00 - 4.10
No. 6, cns..lb 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb lots, dlvd.:—
Black, D&C, No 1, cns.....lb.10.95 - —
Blue, D&C, No 4, cns.....lb.13.55 - —
Brown, D&C, No. 1, cns.....lb.16.10 - —
Green, D&C, No. 5, cns.....lb.16.10 - —
No. 6, cns..lb.16.10 - —
No. 7, cns..lb.14.80 - —
Orange, D&C, No. 3, cns.....lb.10.95 - —
No. 4, cns..lb.20.05 - —
No. 5, cns..lb 5.70 - —
No. 10 cns..lb.20.70 - —
Red, D & C, No. 6, cns.....lb. 3.75 - —
No. 9, cns..lb 3.75 - —
No. 10, cns..lb 3.00 - —
No 11, cns..lb 2.25 - —
No. 12, cns..lb.5.00 - —
No. 17, cns..lb.10.95 - —
No. 18, cns..lb 24.00 - —
No. 19, cns..lb.20.05 - —
No. 21, cns..lb 4.70 - —
No. 22, cns..lb.10.95 - —
No. 28, cns..lb.24.65 - —
No. 33 cns..lb.17.45 - —
Violet, D&C, No. 2, cns.....lb.16.10 - —
Yellow, D&C No. 7, cns.....lb.10.95 - —
No. 8 cns..lb.10.95 - —
No. 10, cns..lb.13.50 - —
No. 11, cns..lb.13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb lots, works, 25-50 lb. lots dlvd:—
Blue, Ext., D&C, No. 1, cns....lb.16.10 - —
Green, Ext., D&C, No 1, cns...lb.16.10 - —
red, Ext., D&C, No. 1, cns....lb.13.50 - —
Yellow, Ext. D&C, No. 1, cns lb.10.95 - —
20 Orange AD..lb. .64 - —
27 Fast light orange 2G....lb. .78 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
31 Phloxine 2G..lb. .64 - —
36 Alizarine yellow 2G....lb. .83 - —
40 Orange B extra conc...lb. 1.06 - —
57 Fuchsine 6B..lb. .57 - —
79 Scarlet 2R..lb. .74 - —
151 Orange Y..lb. .47 - —
161 Orange RR..lb. .55 - —
176 Fast red A conc..lb. .90 - —
179 Azo rubine XX conc...lb 1.04 - —
180 Blue F4B..lb. .92 - —
185 Brilliant scarlet 3RN, conc.lb .93 - —
202 Chrome blue black, conc lb .68 - —
203 Chrome black T..lb .71 - —
208 Fast blue SR..lb .31 - —
216 Chrome red B..lb .74 - —
234 Resorcin brown..lb. .89 - —
246 Blue black extra, conc..lb .86 - —
275 Milling red 3R conc..lb. 2.03 - —
289 Navy blue 3R, conc., 125%, lb 1.09 - —
299 Black F, conc..lb 1.40 - —
304 Neutral black 2B conc., 200% lb 2.01 - —
326 Fast scarlet 4BNC....lb. 1.64 - —
332 Bismarck brown RX, conc. lb .86 - —
365 Brilliant yellow, conc....lb 2.34 - —
382 Scarlet B..lb. 1.65 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
401 Diazo black, BHD.....lb. .63 - —
406 Blue 2B extra conc.....lb 1.07 - —
419 Diamine fast red FC.....lb 1.12 - —
420 Diamine brown M.....lb. .90 - —
448 Benzo purpurine 4B, conc lb 1.18 - —
518 Diamine sky blue FF, extra conc. 150% lb 2.25 - —
561 Trisulphon brown BCW conc lb 2.03 - —
581 Direct black E double lb .89 - —
593 Diamine green BXN, conc. 150% lb. .97 - —
598 Congo brown GG conc 150% lb 1.46 - —
620 Stilbene yellow G, conc lb .92 - —
639 Xylene light yellow GX lb 1.79 - —
640 Tartrazine conc.....lb 1.46 - —
655 Auramine conc.....lb 1.85 - —
667 Victoria green sml cryst lb 2.10 - —
662 Brilliant green cryst lb 2.79 - —
667 Brilliant milling green B, conc lb 3.68 - —
671 Brilliant Blue E lb 1.73 - —
680 Methyl violet S, conc lb 1.10 - —
681 Crystal violet powder lb 2.15 - —
698 Formyl violet S4B lb 1.50 - —
720 Chrome azure blue 8R, conc. 200% lb 3.75 - —
729 Victoria blue B conc lb 2.79 - —
739 Green SN extra lb 2.41 - —
749 Rhodamine B extra lb 4.33 - —
814 Fast yellow NNL, conc 175% lb 3.11 - —
841 Safranine T, extra, conc., 125% lb 2.90 - —
865 Nigrosine WSJ lb .68 - —
922 Methylene blue ZX lb 1.55 - —



This "Skin" never gives CORROSION a chance!

TODAY more than ever you need an effective program to fight corrosion in your plant. It can eat away your investment, knock out vital equipment that may be impossible to replace, and even interrupt your operations. Maintenance engineers everywhere are turning to Pitt Chem Tar Base Coatings for *better* corrosion protection at *lower* cost.

These versatile coatings are derived from coal tar pitch, one of our most impervious materials. Their heavy film—up to ten times as thick as ordinary paint—provides an impenetrable barrier to most mineral acids, alkalis, corrosive vapors and atmospheric conditions. And their low cost, ease of application and durability make them one of the most popular of all types of coatings.

Today, the name Pitt Chem is synonymous with *quality* in tar base coatings. For, as a *basic* and *integrated* producer of coal-derived products situated at the very heart of the world's greatest coal deposits —we're able to control and maintain quality at every step of production, from coal to finished coatings.

Whether you're buying protective coatings, plasticizers, agricultural chemicals, or the products of any of our other integrated divisions, you'll find that it pays, *in every way*, to buy from a basic producer.

PITT CHEM 101
A versatile, heavy duty coating that withstands severest corrosive conditions.

PITT CHEM 102
A thin, high gloss maintenance coating for steel and concrete surfaces.

PITT CHEM 103
A heavy duty coating for metal exposed to corrosive vapors, dilute acids and alkalis.

PITT CHEM 104
A fast drying, high gloss coating for equipment handling potable water.

WAD 4198 B

PROTECTIVE COATINGS DIVISION
PITTSBURGH COKE & CHEMICAL CO.
Grant Building - Pittsburgh 19, Pa.

COAL CHEMICALS • AGRICULTURAL CHEMICALS • PROTECTIVE COATINGS • PLASTICIZERS • ACTIVATED CARBON • COKE • CEMENT • PIG IRON

Dyes, Coaltar, General Use, No. 969—Feldspar

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototypes)

969	Sulphanthrene blue GR paste,	lb.	.76	• —
978	Sulphogene carbon HCF	grains lb.	.32	• —
1034	Alizarin red S. conc	lb.	2.59	• —
1054	Anthraquinone blue B	lb.	2.91	• —
1096	Indanthrene golden orange G, single paste	lb	2.00	• —
	double paste	lb.	4.00	• —
1099	Indanthrene dark blue BO, single paste	lb.	1.75	• —
1101	Brilliant green B, double paste	lb	2.36	• —
1106	Indanthrene blue RS, double paste	lb.	2.57	• —
1113	Indanthrene blue GCD, double paste	lb.	1.75	• —
1150	Indanthrene olive R, single paste	lb.	1.10	• —
1151	Indanthrene brown R, single paste	lb.	1.68	• —
	double paste	lb.	3.35	• —
1212	Sulphanthrene red violet 2RN, single paste	lb.	1.62	• —
1217	Sulphanthrene orange R, single, paste	lb.	1.65	• —
p-4	Acid anthracene brown PGN,	lb.	2.31	• —
p-14	Anthracene chromate brown EBN	lb.	1.31	• —
p-24	Benzo fast black L, conc., 150%	lb	2.18	• —
p-80	Diazo brilliant scarlet ROA	lb	2.79	• —
p-202	Zambesi black V	lb	1.05	• —
p-313	Naphthol AS-SW	lb.	2.42	• —
p-244	Celliton scarlet B	lb	1.31	• —
1078	Anthraquinone green G	lb.	2.72	• —
1085	Alizarin blue black B	lb.	2.33	• —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550	lb.	.81	• —
Jet, No. 551	lb.	.89	• —
Brown R, conc.	lb.	1.72	• —
Orange R, brilliant	lb.	.90	• —
Red 4 B, conc.	lb.	1.37	• —
Yellow C	lb.	1.18	• —
FN, conc.	lb.	1.22	• —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—

Auramine, O	lb.	1.85	• —
Black, basic blue	lb.	1.21	• —
Jet	lb.	1.21	• —
Blue, methylene, 2 B, conc.	lb.	1.55	• —
Brown, Bismarck, R, conc	lb.	.86	• —
Chrysodine, ft, extra	lb.	.60	• —
Y, extra	lb.	.64	• —
Fuchsine, conc	lb.	3.06	• —
Green, malachite, conc	lb	2.10	• —
Rhodamine B	lb.	4.33	• —
Safranine, Y, conc	lb.	2.90	• —
Violet, methyl, B	lb.	1.10	• —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:

Azo rubine R, extra, conc	lb.	1.04	• —
Black, acid blue, B, extra	lb.	.86	• —
Orange Acid, Y, conc	lb.	.47	• —
Scarlet, croceine, MOO	lb.	1.45	• —
Yellow azo-, conc	lb.	.90	• —
Fast light, 3 G, extra	lb.	2.04	• —
Methanil, conc	lb.	.91	• —

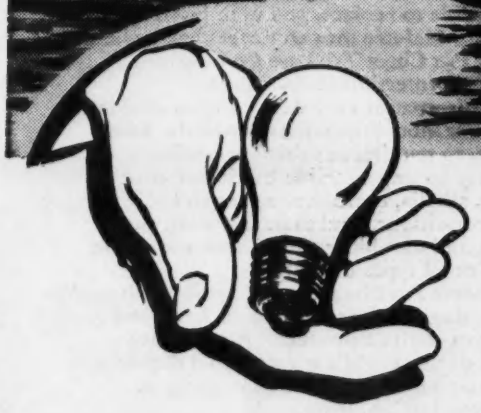
Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.90	Nom.
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.04	- 1.06
Chinese, spot, bbls., duty paid	lb.	No stocks.	
tanners, bbls	lb.	.06	- .06½
Elder flowers, bright, bls	lb.	.30	- .40
Elecampane root, bls	lb.	.23	- .25
Elm bark, grinding, bls	lb.	.28	- .29
powd., bbls., bxs	lb.	.46	- .47
select, bundles	lb.	.60	- .61
Emetine hydrochloride, USP, bots.,	oz.	35.00	-42.85
Ephedrine, synthetic, USP, anhydrous bots., 100-oz. lots	oz.	.98	- 1.00
hydrous, bots., 100-oz. lots	oz.	.92	• —
Hydrochloride, tin, 100-oz. lots	oz.	.75	• —
Sulphate cryst., tins, 100-oz. lots	oz.	.72	• —
powd., tins, 100-oz. lots	oz.	.73	• —
Epichlorohydrin, dms., c.l., works	lb.	.38¾	- —
l.c.l., works	lb.	.39½	- —
tanks, works	lb.	.37	• —
Epinephrine, synth., USP, bots., 100	grams	gram.	.45 - .55
Epsom salt, tech., bgs., c.l., works,	100 lbs.	2.15	• —
l.c.l., works	100 lbs.	2.90	- 3.15
USP, cryst., bgs., c.l., works	100 lbs.	2.35	• —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	• —
smaller lots	100 lbs.	3.35	• —
Ergosterol, unirradiated, cryst	kilo	150.00	• —
Ergot, NF, dms., tin-lined	lb.	4.00	- 4.25
Eserine, bots	oz.	45.00	-50.00
Salicylate USP, bots	oz.	32.50	-34.00
Sulphate, bots	oz.	34.50	-35.50
Ether acetate (see Ethyl acetate).			
Butyl, dms., c.l., works	lb.	.31½	- —
l.c.l., works	lb.	.32	• —
tanks, works	lb.	.30	• —
Butyric (see Ethyl butyrate).			
Dichloroethyl, rerd., dms., c.l., frt. alld. E	lb.	.14	- .14½
l.c.l., same basis	lb.	.15	- .16
tanks, same basis	lb.	.13	• —
technical, dms., c.l., works	lb.	.13	• —
l.c.l., works	lb.	.13½	- —
tanks, works	lb.	.12	• —
Ethyl, absolute, ACS, dms	lb.	.37	• —
anesthesia, USP, hospitals, 1-lb. cns	lb.	.89	• —
½-lb cns	lb.	.97	• —
¼-lb cns	lb.	1.05	• —
solvent USP dms., c.l., divd.	lb.	.15¾	- —
l.c.l., same basis	lb.	.16¾	- —
tanks, same basis	lb.	.13¾	- —
synthetic, dms., c.l., divd. E	lb.	.1375	- —
l.c.l., same basis	lb.	.1675	- —
tanks, same basis	lb.	.1375	- —
Isopropyl, dms., c.l., divd	lb.	.0375	- .0856
l.c.l., divd.	lb.	.0750	- .0936
tanks, divd	lb.	.05	- .07½
Nitrous, conc., bots., 100-lb. lots	lb.	1.28	- 1.35
Vinyl, USP, anesthesia, bots. 50 cc. hospitals	bot.	1.12	• —
75 cc. hospitals	bot.	1.56	• —
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld.	lb.	.12¾	- —
l.c.l., frt. alld	lb.	.13¾	- —
tanks, frt. alld	lb.	.11	• —
95-98%, dms., c.l., frt. alld.	lb.	.13	• —
l.c.l., frt. alld	lb.	.13¾	- —
tanks, frt. alld	lb.	.11¼	- —
99%, dms., c.l., frt. alld	lb.	.13¼	- —
l.c.l., frt. alld	lb.	.14	• —
tanks, frt alld	lb.	.11½	- —
NF, dms., frt, alld	lb.	.24	- .25
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.12¾	- —
l.c.l., frt. alld	lb.	.13½	- —
tanks, frt alld	lb.	.11	• —
95-98%, dms., c.l., frt. alld.	lb.	.13	• —
l.c.l. frt. alld	lb.	.13¾	- —
tanks, frt. alld	lb.	.11¼	- —
99%, dms., c.l., frt. alld.	lb.	.13¼	- —
l.c.l., frt. alld	lb.	.14	• —
tanks, frt. alld	lb.	.11½	- —
Acetoacetate, dms., c.l., divd	lb.	.55	• —
l.c.l., divd	lb.	.56½	- —
Acrylate, dms. c.l., and truckload, divd	lb.	.49	• —
less than truckload, divd	lb.	.49½	- —
tanks, divd	lb.	.48	• —
Aminobenzate, USP (see Benzocaine).			
Benzoate, cns., dms	lb.	.74	- .79
Bromide, tech., 98%, dms	lb.	.43	- .47
Butyrate, works	lb.	.80	- 1.02
Carbamate (see Urethane).			
Chloride tech. dms. c.l., works	lb.	.18	- .20
cyls., c.l., same basis	lb.	.20	- .22
tanks, same basis	lb.	.10	• —
USP bbls., cyls	lb.	.22	- .24
Cinnamate, cns	lb.	2.28	- 2.53
Formate, dms	lb.	.60	• —
Gallate, dms., 100 to 2,000-lb. lots	lb.	3.90	- 4.40
Iodide, bots., works	lb.	4.13	• —
cbys., works	lb.	3.50	• —
Lactate, dms., works	lb.	.47½	- —
Methacrylate, dms., c.l., and truckload, works	lb.	.50	• —
less than truckload, works	lb.	.50½	- —
Nitrite (see Ether nitrous).			
Oenanthate, dms	lb.	1.00	1.50
Oleate, dms., l.c.l., works	lb.	No prices.	
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate).			
40% available SiO, dms., works,	lb.	.60½	- —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).			
Ethylamine (see Mono-, Di-, or Tri-)			
Ethylanilin (see Monoethylanilin)			
Ethylbenzene, 99%, dms., c.l.	lb.	.14	- .20¼
l.c.l.	lb.	.15	- .21¼
tanks	lb.	.13	- .18¼
Ethylbutyl ketone, dms., c.l., works,	lb.	.33¼	- —
l.c.l., works	lb.	.34	• —
tanks	lb.	.32	• —
Ethylcellulose, vis. 7 cps., bgs., 5,000 lb. lots or more, works	lb.	.70	• —
smaller lots, works	lb.	.72	• .80
vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, works	lb.	.65	• —
smaller lots	lb.	.67	• .75
Ethylene dichloride, dms., c.l., divd. E	lb.	.11¾	- —
l.c.l., same basis	lb.	.12¾	- —
tanks, same basis	lb.	.10	• —
Ethylene dichloride prices W. of Rockies, 1c per lb. higher.			
Oxide, cyls., c.l., works	lb.	.26	• —
l.c.l., works	lb.	.27	• —
tanks, divd. E	lb.	.19	• —
Trichloride (see Trichloroethane).			
Ethylenediamine, 76%, basis 100%, dms., c.l., divd	lb.	.49	• —
l.c.l., divd	lb.	.50	• —
tanks, divd	lb.	.47	• —
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.18¾	- —
l.c.l., same basis	lb.	.19¼	- —
tanks, same basis	lb.	.17	• —
Monobutylether, dms., c.l., divd.	lb.	.22½	- —
l.c.l., divd.	lb.	.23½	- —
tanks, divd.	lb.	.21	• —
Monoethylether, dms., c.l., divd.	lb.	.20	• —
l.c.l., divd.	lb.	.21	• —
tanks, divd.	lb.	.18½	- —
Monoethylether acetate, dms., c.l., divd	lb.	.18¼	- —
l.c.l., divd.	lb.	.19¼	- —
tanks, divd.	lb.	.16½	- —
Monomethylether, dms., c.l., works	lb.	.22	• —
l.c.l., works	lb.	.22½	- —
tanks, works	lb.	.21	• —
Monomethylether acetate, dms., c.l., works	lb.	.23¾	- —
l.c.l., works	lb.	.29¼	- —
tanks, works	lb.	.27	• —
Monostearate, dms	lb.	.30	• .37
Ethylethanolamines, mixed, dms., c.l., frt alld., E. Miss	lb.	.42	• —
l.c.l., same basis	lb.	.43	• —
tanks, same basis	lb.	.40	• —
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	• —
Ethylortnotoluidine (see Monoethylorthotoluidin).			
Ethylvanillin, cns., 25-lb. lots	lb.	6.75	- 7.30
smaller lots	lb	7.35	7.40
Eucalyptol, USP, cns., dms	lb.	1.65	- 1.90
Eucalyptus leaves, bls	lb.	.10	- .11
Eugenol, pure, USP, bots	lb.	2.90	- 3.45
Euphorbia herb, bls	lb.	.12	- .14

F

Feldspar, enamel, 100 mesh, bgs., works	ton.	20.00	-22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	-12.50
Pottery, bgs., ton lots, works	ton.	20.00	-22.00
bulk, c.l., works	ton.	18.00	-20.00



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Mallinckrodt, one of the first U. S. producers of Theophylline from domestic raw materials, began manufacturing in 1933 and has maintained its position as a prime factor in the production of this valuable drug ever since.

advanced synthetic methods

Today Mallinckrodt Theophylline is produced in a modern plant by advanced synthetic methods developed by Mallinckrodt chemists and engineers (U. S. Patents 2,444,023; 2,533,022; 2,564,351). Latest methods of quality and process control, combined with large scale production, achieve top quality and a high degree of uniformity.

Mallinckrodt's Theophylline plant is devoted exclusively to Theophylline production and is able to supply unusual as well as normal requirements. Warehouse stocks are maintained at St. Louis, New York, and Los Angeles for prompt shipment to any locality.

grades available

Mallinckrodt Theophylline, packaged in 100-lb. leverpak drums and in 25-lb. fiber drums, is supplied in the following grades:

Theophylline USP XIV Monohydrate (Powder)
Theophylline USP XIV Anhydrous

Also available:

Theophylline and Sodium Acetate NF IX (Powder)

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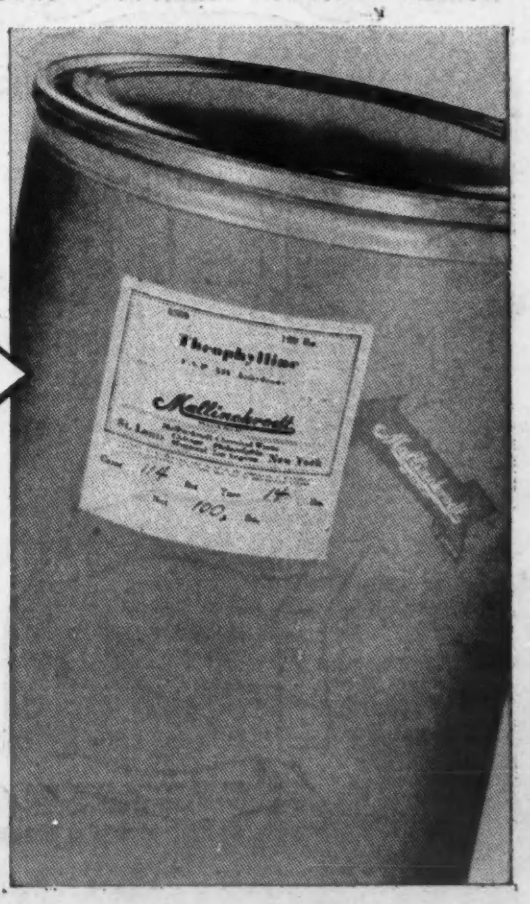


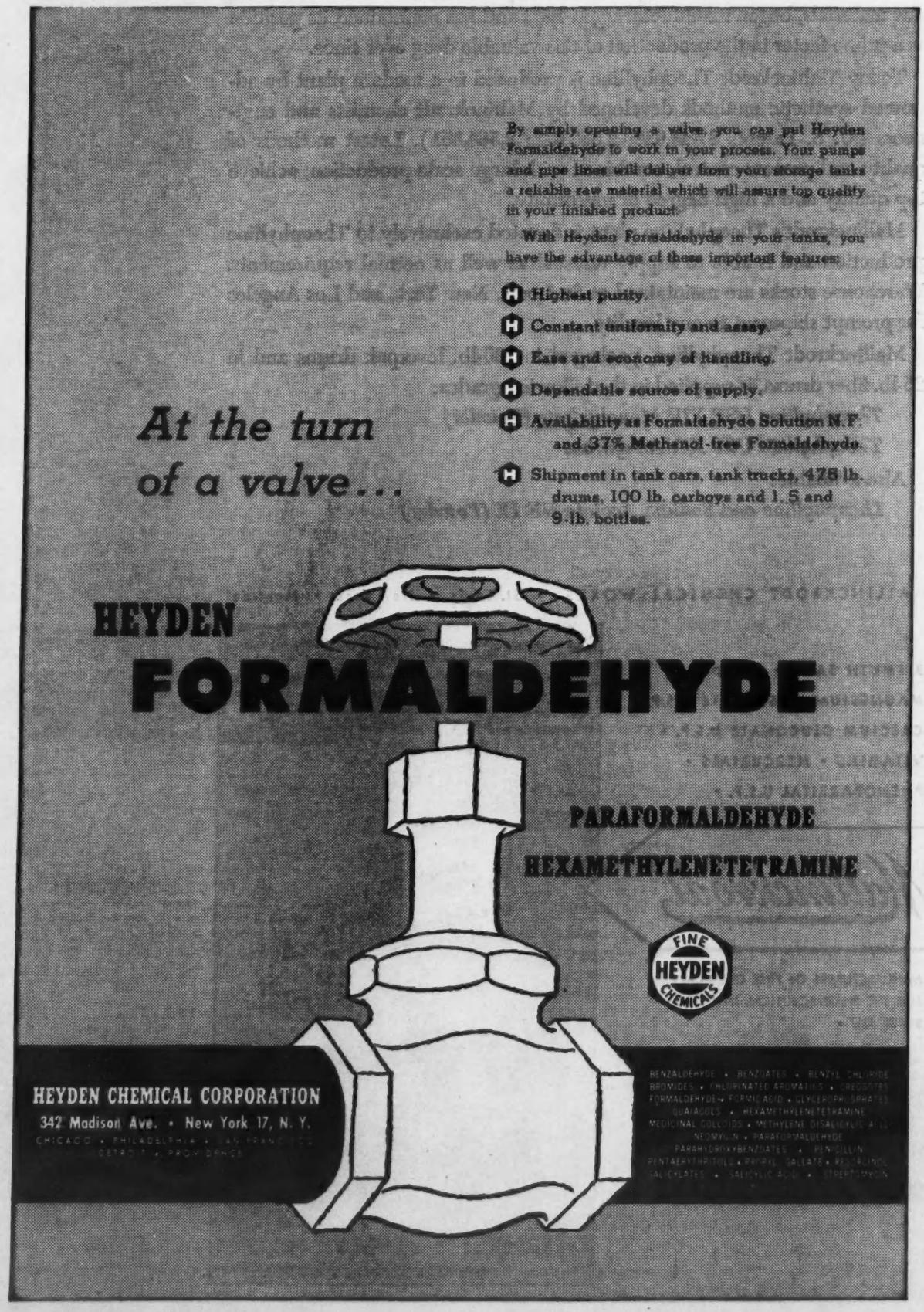
Fennel Seed—Gum, Dammar, East India, Batu

Fennel seed, Czech, dark, bgs...lb. .20 - .21
French, bgs.....lb. .24 - .24½
Syrian, light, bgs.....lb. .29 - .29½
Fenugreek seed, Moroccan, bgs..lb. .06 - —
Ferric-ammonium citrate (see Iron ammonium citrate).
Ferric cacodylate (see Iron cacodylate).
Ferric glycerophosphate (see Iron glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate-ferric).
Ferrous gluconate, NF, dms....lb. .88 - .97
Fir balsam, Canada, cns.....gal.32.50 -33.50
Oregon, bbls.....gal. 2.85 - 3.50
Fishberries, bgs.....lb. .17 - .21
Fishliver oil (see Oil, fishliver).
Fishmeal ground, domestic, 60% protein, bulk, Baito area..ton.135.60 - —
Fishscrap, dried 60% protein, bulk, Baito area..ton.129.60 - —
Fluorspar, acid grade, bulk, c.l., mine ton.60.00 - —
ceramic grade, 95-96% CaF_2 grd., bulk, mine, c.l ton 47.00 Nom.
85% CaF_2, grd., bulk, mine ton.41.50 Nom.
metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l., ton.38.00 Nom.
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l..ton.38.00 Nom.
60-65% effective CaF_2, bulk, mine ton.39.00 - —
65-70% effective CaF_2, bulk, mine, c.l ton 40.00 Nom.
Fluorspar, metallurgical grade, washed gravel, 70% or better, effective CaF_2, bulk, mine, c.l. ton.41.00 - —
imported, bulk, ex dock, New York ton.39 00 Nom.
Formaldehyde, NF (inhibited), dms., c.l., E., works..lb. .0625- —
l.c.l., E. works.....lb. .0675- —
tanks, E. works.....lb. .0420- —
methanol-free (uninhibited), tanks, works..lb. .0395- —
Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.
Fleaseed (see Psyllium seed).
Fringetree bark, bls.....lb. .60 - .61
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines ton.36.50 - —
Illinois mines.....ton.37.20 - —
spent, bulk, Bayonne.....ton 2.00 4.00
imported, bgs., c.l .....ton.30.00 -40.00
Furfural, tech., dms., c.l., works.lb. .13 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd.lb. .16¾- —
l.c.l., dlvd. .....lb. .17½- —
tanks, dlvd. .....lb. .15 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l .....lb. .45½- —
No. 3, bbls., l.c.l .....lb. .43½- —
liquid, No. 1, bbls., l.c.l....lb. .22½- —
No. 2, bbls. l.c.l .....lb. .21½- —
No. 3, bbls., l.c.l .....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .45 - —

G

G salt, bbls., frt. alld.....lb. .73 - —
Galangal root, bls .....lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.03
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks gal. .1285- .136
Group 3, 82 octane, tanks gal. .10375- .105
Gulf coast, 82 octane, tanks gal. .1125- .1130
Penn., western U. S. motor, 86 octane, tanks gal. .1275- .129
natural, group 3, 26-70 octane, tanks gal. .06875- —
Gelatin, silver label, imported cs.lb. 1.25 - —
Gelsemium root, bls .....lb. .26 - .27
Gentian root, bls .....lb. .17 - .18
grd., bbls., bxs .....lb. .22 - .23
powd., bbls, bxs .....lb. .23 - .24
Geraniol, extra, cns., dms.....lb. 1.55 - 1.65
standard, cns., dms.....lb. .75 - 1.50
Geranyl acetate, cns.....lb. 1.55 - 1.80
Ginger, oleoresin, NF, from African roots, bots lb. 4.00 - 7.75
from Jamaican root, bls.. lb. 5.00 -12.75
Root, African, bls .....lb. .14 - .14½
Cochin, unbleached, bgs....lb. .18½- —
Jamaica, No. 1, bgs.....lb. .24 - —
No. 2, bgs. .....lb. .18 - —
No. 3, bgs .....lb. .17 - —
Rhattoon, bgs .....lb. .16 - —
Nigerian, split, bgs.....lb. .11½- .12
Ginseng root, cs.....lb.16.50 -17.00
Glauber's salt, anhyd (see Sodium sulphate).
cryst., bgs. c.l., works, frt. alld ton.45.00 - —
l.c.l., works..... .....ton.50.00 - —

Glue, bone, extracted, 66 jellygrams, bgs., c.l., dlvd. lb. .24½- —
86 jellygrams, same basis. lb. .25 - —
104 jellygrams, same basis. lb. .25½- —
151 jellygrams, same basis. lb. .26 - —
164 jellygrams, same basis. lb. .26½- —
191 jellygrams, same basis. lb. .27 - —
222 jellygrams, same basis. lb. .28 - —
packers' 40 jellygrams, bgs., c.l., dlvd. lb .21½- —
65 jellygrams, same basis. lb. .22½- —
86 jellygrams, same basis. lb. .23 - —
115 jellygrams, same basis. lb. .24 - —
135 jellygrams, same basis. lb. .25 - —
164 jellygrams, same basis. lb. .26 - —
185 jellygrams, same basis. lb. .27 - —
renderers' 110 jellygrams, bgs., c.l., dlvd. lb. .22 - —
Bone glue, l.c.l. prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd. lb. .26 - —
95-121, bgs., c.l., dlvd.....lb. .27½- .28
122-149, bgs., c.l., dlvd.....lb. .29 - .29½
150-177, bgs., c.l., dlvd.....lb. .30 - .31
178-206, bgs., c.l., dlvd.....lb. .31 - .32
207-236, bgs., c.l., dlvd.....lb. .32 - .33
237-266, bgs., c.l., dlvd.....lb. .33 - .34
267-296, bgs., c.l., dlvd.....lb. .34 - .35
299-330, bgs., c.l., dlvd.....lb. .35 - .36
331-362, bgs., c.l., dlvd.....lb. .36 - .37
363-394, bgs., c.l., dlvd.....lb. .37 - .38
395-427, bgs., c.l., dlvd.....lb. .38 - .39
428-460, bgs., c.l., dlvd.....lb. .40 - .41
461-494, bgs., c.l., dlvd.....lb. .41 - .43
495-529, bgs., c.l., dlvd.....lb. .42 - .45
Hide glue l.c.l. prices 1c. higher than c.l.
Glycerin, crude, saponification, 88% to refiners, tanks, dlvd..lb. .26 Nom.
soaplye, 80%, tanks, dlvd....lb. .24 Nom.
dynamite, dms., c.l., dlvd ....lb. .33¾- —
l.c.l., dlvd .....lb. .34¼- —
tanks, dlvd .....lb. .33¼- —
high gravity, dms., c.l., dlvd..lb. .34 - —
l.c.l., dlvd. .....lb. .34½- —
tanks, dlvd. .....lb. .33½- —
refined, BP, 98%, dms., c.l., dlvd. .....lb. .35½- —
l.c.l., dlvd. .....lb. .36½- —
tanks, dlvd. .....lb. .35½- —
USP, CP, 95%, dms., c.l., dlvd. .....lb. .34½- —
l.c.l., dlvd. .....lb. .35 - —
tanks, dlvd. .....lb. .34 - —
yellow, distilled, dms., c.l., dlvd. .....lb. .33½- —
l.c.l., dlvd. .....lb. .34½- —
tanks, dlvd. .....lb. .33½- —
Glycine, USP (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l. works lb. .18½- —
l.c.l., works .....lb. .19 - —
tanks, works .....lb. .18 - —
Gold chloride, acid-brown, bots oz.23.50 -24.00
acid-yellow, bots. .....oz.21.00 -21.50
Golden seal root, NF, tested, bls., ...lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Gold-sodium chloride, photo, bots. .....oz.13.00 -14.00
USP IX, bots .....oz.14.50 -15.50
Grains of paradise, bgs.....lb. .33 - .34
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .05 - .095
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .215
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .44½
95-97%, powd. bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex. whse lb. .29 - .31
No. 2 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, dlvd.....lb. .03½- —
house .....lb. .03⅜- —
white, choice .....lb. .06 - —
yellow .....lb. .04½- —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 4.50 - —
tungstated, PTMA, kgs., works lb. 6.30 - —
Chrome, CP, dark, light, medium, blue content 5 to 30%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .37 - —
31-50%, bbls., same basis. lb. .37 - .38
50-60%, bbls., same basis. lb. .40 - —
reduced color, 25%, bbls., same basis. lb. .17 - .17¼
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., dms., c.l., frt. alld..lb. .93 - 1.20
pure, c.l., bgs., frt. alld.....lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Paris (see Paris green).
Phthalocyanin toner, bbls., works. lb. 4.40 - —
resinated, bbls .....lb. 4.00 - —
water dispersable, bbls.....lb. 1.71 - —
Pigment B, kegs .....lb. 1.35 - —
Grindelia robusta herb, bls.....lb. .38 - .40
Guaiac resin, NF, cs.....lb. .55 - .60
ordinary, cs .....lb. .49 - .51
Guaiacol, cryst., tins.....lb. 1.90 - —
liquid, NF, bots., cbys.....lb. 2.15 - 2.20
Carbonate, dms.....lb. 3.15 - 3.20
Guarana, powd., cs.....lb. 2.00 - —
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs .....lb. .35 - .65
Arabic, amber sorts, bgs.....lb. .15½- .16
powdered, USP, bbls.....lb. .19 - .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs.....lb. .38 - .40
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld.....lb. .60 - —
smaller lots, same basis..lb. .62 - —
works..lb. 6.50 - —
Copal, Congo, No. 1, bgs.....lb. .21 - .23
No. 2, bgs .....lb. .19 - .20
No. 3, bgs .....lb. .17½- .18¼
Manila, loba B, bgs.....lb. No prices.
C, bgs. .....lb. .27 - .32
CBB, bgs. .....lb. .22 - .23
CNE, bgs. .....lb. No prices.
DBB, bgs. .....lb. .14 - .16
DK, bgs. .....lb. .13 - .15
dust, bgs. .....lb. .11 - .12¼
soft, MA, bgs.....lb. .13 - .16
WS, bgs. .....lb. .27 - .35
Philippine, pale, chips, bgs....lb. .18 - .25
nubs, bgs. .....lb. .27 - .32
seeds, bgs. .....lb. .15 - .21
sorts, bgs. .....lb. .18 - .22
Pontianak, chips, bgs.....lb. .22 - .26
nubs, bgs. .....lb. .36 - .40
Dammar, Batavia, A/E bgs....lb. .24 - .26
dust, bgs. .....lb. .14 - .16
E., bgs. .....lb. .16 - .18
East India, batu, bold, bgs lb. .12 - .14
nubs and chips, bgs lb. .08 - .10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CHICAGO • PHILADELPHIA • SAN FRANCISCO
DETROIT • PROVIDENCE
BENZALDEHYDE • BENZOATES • BENZYL CHLORIDE
BROMIDES • CHLORINATED AROMATICS • CREOSOTES
FORMALDEHYDE • FORMIC ACID • GLYCEROPHOSPHATES
GUAIACOLS • HEXAMETHYLENETETRAMINE
MEDICINAL COLLOIDS • METHYLENE DISALICYLIC ACID
NEOMYCIN • PARAFORMALDEHYDE
PARAHYDROXYBENZOATES • PENICILLIN
PENTAERYTHRITOLS • PROPYL GALLATE • PROCAINOL
SALICYLATES • SALICYLIC ACID • STREPTOMYCIN

Gum, dammar, East India, black, bold, bgs. lb. .14½ - .16
unscraped, bgs. lb. .12 - .13
nubs and chips, bgs. lb. .11 - .13
pale, chips, bgs. lb. .13 - .14
nubs, bgs. lb. .19 - .20
Singapore, No. 1, bgs. lb. .35 - .38
No. 2, bgs. lb. .29 - .32
No. 3, bgs. lb. .16 - .17
dust, bgs. lb. .14 - .16
seeds, bgs. lb. .16 - .18
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .14 - .14½
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc. lb. .14 - —
Euphorbium, cs. lb. .55 - .60
Galbanum, cs lb. .75 - .80
Gamboge, pipe, cs. lb. .90 - 1.00
powd., bbls lb. .90 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin)
Karaya, NF, powd., No. 1, bbls. lb. .30 - .35
No. 2, bbls lb. .25 - .28
No. 3 bbls lb. .22 - .23
Kauri, bgs. lb. .30 - .50
Kino, cs lb. 1.15 - 2.40
Locust bean, powd., bgs. lb. .32 - .35
Mastic, cs lb. 2.00 - 2.10
Myrrh, cs lb. .30 - .35
Olibanum, siftings, cs. lb. .16 - .18
tears, cs lb. .20 - .30
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks. lb 3.50 - 4.00
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs. lb. 2.85 - 2.90
No. 2, cs. lb. 2.45 - 2.50
No. 3, cs. lb. 1.60 - 1.70
powdered, USP, bbls. lb. 1.25 - 1.35
Yacca, bgs lb. .08 - —
Gypsum, anhydrous filler, paper bgs., c.l., Medicine Lodge Kan ton. 19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald. ton. 18.30 - —
Harlem river, N. Y., frt. equald ton. 17.30 - —
Medicine Lodge, Kan., frt. equald ton. 16.00 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt equald ton. 8.00 - —
Fort Dodge, Iowa, frt equald. ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald. ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore ton. 14.40 - —
Harlem River, N. Y. ton. 14.40 - —
imported, English, paper bgs., ex dock ton. 48.00 - —
ex warehouse ton. 53.00 - 56.00

H

Hawthorn berries, bgs. lb. .30 - .32
Heliotropine, cryst., cns. lb. 3.10 - 3.45
Helonias root, bls. lb. 1.50 - 1.55
Hellebore root dom., green, bls. lb. .60 - .65
imp., black, whole, bls. lb. .25 - .30
ground, bxs lb. .30 - .35
powder, bxs. lb. .32 - .37
white, whole, bls. lb. .25 - .30
powder, bxs. lb. .35 - .45
Hematine extract, cryst. No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l. lb. .43 - —
No. 3, bbls., l.c.l. lb. .41 - —
No. 4, bbls., l.c.l. lb. .39 - —
No 5, bbls., l.c.l. lb. .37 - —
paste, No. 1, bbls., l.c.l. lb. .20½ - —
Henbane leaves, bls lb. .35 - .40
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .22 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .18 - —
group 3, tanks gal. .1375 - .1405
Hesperidin methylchalcone, bots., works lb. 50.00 - —
Hexachlorophene, dms. lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000-lb. lots, same basis lb. .242 - —
fib dms., 1,000-lb. lots or more, same basis lb. .239 - —
less than 1,000-lb. lots, same basis. lb. .249 - —
USP, dms., 500 lbs. or more, same basis lb. .40½ - —
smaller lots, same basis lb. .41½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal. .18 - —
Group 3, tanks gal. .145 - .149
Hexanol, normal, dms., c.l., works. lb. .34¼ - —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 2.25 - 7.50
Salicylate, dms lb. 1.75 - —
Hexylenglycol, dms., c.l., dlvd lb. .15¾ - —
l.c.l., dlvd lb. .16½ - —
tanks, dlvd lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol USP, dms., dlvd., 50-lb. lots or more lb. 15.00 - 16.00
smaller lots, dlvd lb. 16.00 - 17.00
Histamine diphosphate, USP., bots. kilo. 456.00 - —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works. kilo. 80.00 - 85.00
1-5 kilo lots works kilo. 90.00 - 95.00
Homatropine hydrobromide, USP bots oz. 13.75 - 14.00
Hydrochloride, bots oz. 20.00 - 22.00
Methylbromide, USP, bots oz. 13.00 - 14.50
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.00 - —
Hops, NF, bls lb. .30 - .35
Horehound herb, bls lb. .14 - .15
Hydrangea root, bls lb. .22 - .25
Hydrastine, bots oz. 29.50 - 31.00
Hydrochloride, NF, bots oz. 29.50 - 31.00
Sulphate, bots oz. 35.00 - 37.00
Hydrastinine 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Niagara Falls lb. 4.50 - 5.25
Hydrate, 100% ret. dms., Niagara Falls lb. 3.00 - 3.50
85%, same basis lb. 2.55 - 3.00
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40

Hydrogen chloride anhyd., 30-lb. cyl., works lb. .53 - .60
Peroxide, USP, bbls., dlvd lb. .03¾ - .05
35%, chys., same basis lb. .217 - .242
dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .215 - .24
tanks lb. .203 - —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.
Hydroquinone, photogrd., bbls., dms. lb. .98 - 1.00
tech., dms., c.l., frt. equald lb. .77 - —
l.c.l., frt. equald lb. .78 - —
Hydroxycitronellal, cns. lb. 5.80 - 6.00
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots oz. 15.75 - 16.00
Hydrobromide, bots oz. 16.50 - 18.00
Sulphate bots oz. 12.00 - 13.50
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liquid, No. 1, bbls., l.c.l. lb. .35 - —
No. 2, bbls., l.c.l. lb. .27 - —
Hyssop herb, bgs. lb. .35 - .36
Leaves, bgs. lb. .50 - .51

I

Iceland moss, bgs. lb. .30 - .35
Ichthammol, NF, dms. lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth, paste, 20%, bbls. lb. .28 - .28½
Indol, CP bots lb 17.00 - 21.00
Inositol dms. dlvd lb 5.60 - —
tins, dlvd. lb 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.84 - 2.04
resublimed, USP, bots., jars lb. 2.55 - 2.78
Iodochlorohydroxyquin, USP, dms. lb. 6.90 - —
Iodoform, NF, dms., kgs. lb 4.70 - 4.85
Ionone alpha, cns. lb. 3.75 - 8.15
Beta, cns. lb. 4.30 - 11.25
Methyl, dms., cns lb. 3.90 - 8.40
Ipecac root, bgs. lb. 5.25 - 5.50
powd., bbls., bxs. lb. 6.00 - 6.25
Irish moss, bleached, prime, bls lb. .25 - .30
Iron acetate liquor, 25°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
solut., USP, IX, chys. lb. .16 - —
dms lb 17 - —
Cacodylate, NF, bots lb. 13.00 - 14.00
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 6.25 - —
l.c.l., works 100 lbs. 7.50 - —
cryst., indust., bbls., c.l., works 100 lbs. 5.25 - 6.25
l.c.l., works 100 lbs. 5.75 - 6.75
USP, dms., works lb. .07½ - .09
solut., 42° Be, basis 100%, chys., c.l., works 100 lbs. 7.25 - 8.25
l.c.l., works 100 lbs. 7.75 - 10.75
tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms. lb. .77 - .80
Gluconate, NF (see Ferrous gluconate, NF).
Glycerophosphate, NF, powd lb. 4.45 - 4.55
Hypophosphite, NF, dms lb 2.80 - —
Iodide bgs. lb. 3.66 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .23¾ - —
Oxalate, gran., dms lb. .85 - .87
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., pearls, dms lb. .78 - .81
Reduced, NF, kgs lb. .90 - .95
Iron resinate, 6.75% Fe, dms., frt. alld lb. .26¼ - —
Stearate, dms., c.l. lb. .37 - —
ton lots lb. .38 - —
less ton lots lb. .39 - —
Sulphate, ferric, partially hydrated, bgs., c.l., works ton. 30.00 - —
l.c.l., works ton. 31.00 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms. lb. .09½ - .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, brown, N.F., gran., dms lb. .55 - .60
green, USP XII, gran., dms lb. .55 - .59
Oxalate, fine gran., dms lb. .25½ - .28½
Iron-potassium, oxalate, fine gran., dms lb. .30½ - .33½
Iron-sodium, oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, cns lb 1.25 - 1.70
Isobornyl acetate, cns. lb. .60 - .70
Formate, dms. lb. .80 - —
Propionate, dms lb 1.15 - 1.50
Isobutyl acetate, perfume grade, cns. lb. .75 - .97
solvent grade, dms., c.l., dlvd. E. of Rockies lb. .14 - —
l.c.l., same basis lb. .14¾ - —
tanks, same basis lb. .12¼ - —
Methacrylate, dms., works lb. .60 - —
Isobutyraldehyde, dms., dlvd lb. .50 - —
Isoeugenol, cns lb. 3.70 - 4.40
Isoniazid, bulk, powder, 25-kilo lots or more kilo. 40.00 - 48.00
smaller lots kilo. 48.00 - —
Isonicotinic acid hydrazide (see Isoniazid).
Isopentane, dms., works lb. .43 - .53

For almost 40 years, Glycerine has contributed to the keeping qualities of Heide "Licorice Pastilles". Glycerine's ability to retain moisture improves the shelf life of these familiar candies... keeps them fresh longer!

FULLY ACCEPTED . . . FULLY AVAILABLE IN ALL GRADES!

Improved stability of Glycerine supply means you can count on dependable delivery of this time-tested ingredient. You can confidently build your formulations around Glycerine—without concern for emergency substitutions.

Candy manufacturers and many other food processors rely on Glycerine's humectant action to preserve freshness and maintain palatability. It is widely used as a solvent for flavoring and coloring agents. Glycerine also acts as a sweetener and blending agent. Its high viscosity imparts smoothness to mixtures, prevents graining.

Recent research also indicates that Glycerine will lengthen shelf life of butter creams and similar perishables by suppressing fatty acid formation.

In hundreds of applications in the food field, U.S.P. Glycerine provides an unmatched balance of properties, ready acceptance, and established freedom from toxicity. Write for a copy of the booklet, "Why Glycerine for Foods?"

GLYCERINE PRODUCERS' ASSOCIATION
295 Madison Avenue, New York 17, N. Y.

Isophorone—Lithium Salicylate

Isophorone, dms., c.l., works....lb. .24¼- —
l.c.l., works....lb. .24¾- —
tanks, works....lb. .22½- —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., dlvd. lb. .11¾- —
l.c.l., same basis....lb. .12½- —
tanks, same basis....lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Mono-, Di-, or Tri-)
Isopropylphenol, dms., c.l., works lb. .46 - —
l.c.l., works....lb. .47 - —
tanks, works....lb. .45 - —
Isoquinoline, dms., works....lb. .65 - 1.25

J

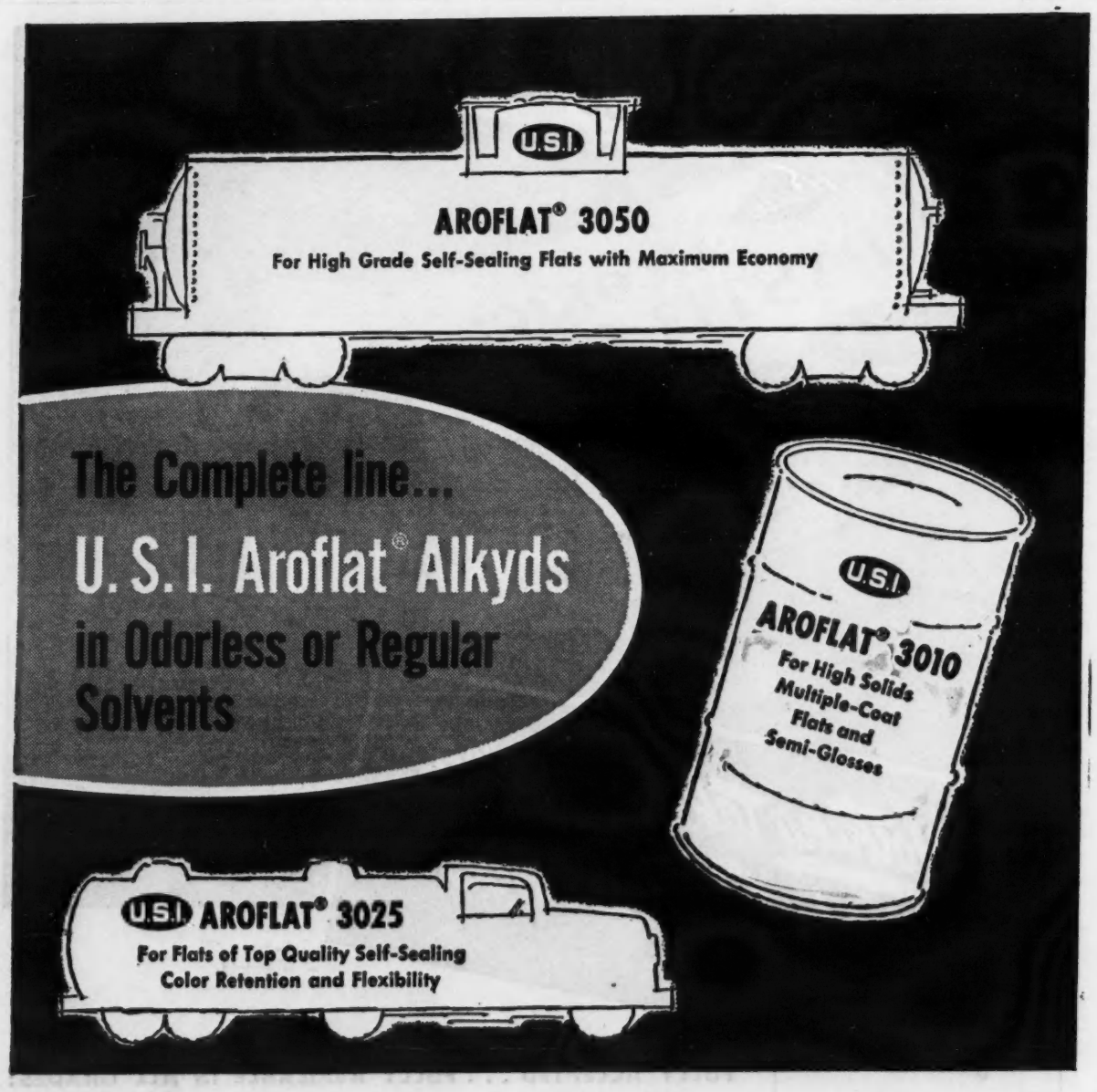
Jaborandi leaves, bls....lb. .17 - .18
Jalap root, NF, bls....lb. .45 - .55
powd., bbls., bxs....lb. .50 - .60
Juniper berries, bgs....lb. .13 - .15
Tar, NF, dms....lb. .42 - .50

K

Kamala, powd., cns....lb. .75 - .80
Kava Kava root, bls....lb. .30 - .32
Kaolin (see also Clay, China).
NF, powd., fib. dms....lb. .08 - .16½
colloidal, fib. dms....lb. .15 - .15½
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks, gal. .0925- —
California, 40-43 s.g., w.w., tanks, gal. .120 - .130
Gulf ports, 41-43 s.g., w.w., tanks, gal. .0970- .1015
N. Y. Harbor, 43-44 s.g., w.w., tanks..gal. .1075- —
Okla.-Tex., 41-43 s.g., w.w., tanks..gal. .0875- .095
Penn, Western, 45 s.g., w.w., tanks..gal. .1125- .1195
Kola nuts, bgs....lb. .08 - .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse..ton.95.00 -100.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Lady's slipper root, bls....lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works..lb. .35½- .40½
USP, anhydrous, dms., works..lb. .33½- —
hydrous, dms., works....lb. .32 - —
Lard, cash, trcs., Chicago....lb. .08¾- —
Larkspur seed, bgs....lb. .20 - .25
Laurel berries, bgs....lb. .25 - .26
Leaves, Greek, bls....lb. .10 - .10½
Portuguese, bls....lb. .09½- .10
Turkish, bls....lb. .10½- .11
Yugoslavian, bls....lb. .09 - .09½
Lauryl chloride, dms., works, frt. equald..lb. .72 - —
Methacrylate, normal, dms., less than truckload, works..lb. 1.00 - —
Lavender flowers, medium, bls..lb. .55 - .60
ordinary, bls....lb. .16 - .20
select, bls....lb. .90 - —
Lead acetate, white crystals, bbls. lb. .22 - —
gran., bbls....lb. .23 - —
powd., bbls....lb. .23 - —
NF, cryst., dms....lb. .32 - .33
gran., powd., dms....lb. .32 - .33
Arsenate, dealers, acid powder, frt. alld. on 96 lbs. or 3-lb. bgs. or larger, c.l., over..lb. .27½- —
l.c.l., frt. alld....lb. .28½- —
1-lb. bgs., c.l....lb. .42½- —
l.c.l....lb. .43½- —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld..lb. .14¾- —
l.c.l., works....lb. .15¾- —
Carbonate (see Lead, white).
Chloride, dms....lb. .45 - —
Iodide, NF, V. jars....lb. 3.82 - —
Linoleate, fused, 26.5%, dms..lb. .32½- —
Metal, pigs, prime, N. Y....lb. .1350- —
St. Louis....lb. .1330- —
Metallic paste, dms., 20,000-40,000 lbs., works..lb. .34¼- —
10,000-20,000 lbs., same basis. lb. .34¾- —
2,000-10,000 lbs., same basis. lb. .35¼- —
200-2,000 lbs., same basis.lb. .35¾- —
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs., c.l....lb. .1512- —
l.c.l....lb. .1610- —
Naphthenate, liquid, 16% Pb, dms., dlvd..lb. .17½- —
24% Pb, dms., dlvd....lb. .23¾- —
solid, 37% Pb, dms., dlvd....lb. .31 - —
Nitrate, bbls....lb. .22¼- —
Oleate, fused, bbls....lb. .29¾- —
Orthosilicate gel, 50% PbO, dms., works..lb. .32¾- —
60% PbO, dms., works....lb. .31¾- —
Lead peroxide, powd., tech., bbls. lb. .45 - .47
Phthalate, dibasic, dms., works. lb. .42½- —
Red, 95% Pb_3O_4, or less, bbls., c.l. ship't point, frt. alld. lb. .16¼- —
l.c.l., same basis....lb. .17¼- —
97% Pb_3O_4, bbls., c.l., same basis..lb. .16½- —
l.c.l., same basis....lb. .17½- —
98% Pb_3O_4, bbls., c.l., same basis..lb. .16¾- —
l.c.l., same basis....lb. .17¾- —
Resinate, precip., dms., dlvd..lb. .28½- —
Salicylate, normal, dms., works. lb. .46 - —
Stearate, dibasic, ton lots....lb. .56 - —
precip., bbls., c.l....lb. .59 - —
ton lots....lb. .40 - —
less ton lots....lb. .41 - —
Sulphate (see Lead blue; Lead white; basic sulphate).
Tallate, liquid, 16% Pb dms..lb. .15¼- —
24% Pb, dms....lb. .20½- —
White, basic, carbonate, bgs., c.l., ship't point, frt. alld..lb. .1625- —
l.c.l., same basis....lb. .1725- —
basic silicate, bgs., c.l., ship't point, frt. alld..lb. .15 - .1825
l.c.l., same basis....lb. .16 - .1925
basic sulphate, bgs., c.l., ship't point, frt. alld..lb. .14¾- —
l.c.l., same basis....lb. .15¾- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works. lb. .15½- .16
l.c.l., same basis....lb. .16½- .19
unbleached, c.l., same basis..lb. .14½- .15
l.c.l., same basis....lb. .16 - .18
Lemon peel, bls....lb. .20 - .26
Leucine dextro-laevo, dms., works. lb. 12.25 -15.00
Licorice extract, mass, cns....lb. .21¼- .40
powd., bbls....lb. .31¾- .50
Root, bls....lb. .05½- .10
5-lb. bundles, cs....lb. .50 - .55
powd., bbls....lb. .13 - .13¼
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bulk, works ton. 14.50 - —
Chemical (quicklime) lump, pebble, bulk, Adams, Mass. ton. 12.50 - —
Annville, Pa....ton. 11.50 - —
Austin, Texas....ton. 9.50 - —
Bellefonte, Pa....ton. 11.50 - —
Buffalo, N. Y....ton. 14.00 - —
Cedar Hollow, Pa....ton. 11.50 - —
Duluth, Minn....ton. 12.50 - —
El Paso, Texas....ton. 14.00 - —
Farnams, Mass....ton. 14.00 - —
Gibsonburg, Ohio....ton. 12.50 - —
Hannibal, Mo....ton. 10.00 - —
Keystone, Ala....ton. 10.25 - —
Kimballton, Va....ton. 10.25 - —
Knoxville, Tenn....ton. 10.50 - —
Lee, Mass....ton. 12.50 - —
Lewisburg, Ohio....ton. 10.00 - —
Limedale, Ark....ton. 10.00 - —
Los Angeles, Cal....ton. 25.10 -26.84
Marble Cliff, Ohio....ton. 10.00 - —
Martinsburg, W. Va....ton. 11.00 - —
Mosher, Mo....ton. 10.25 - —
Nelson, Ariz....ton. 14.50 -23.65
Quincy, Ill....ton. 10.00 -13.00
Reddick, Fla....ton. 13.50 - —
Scotrock, Ala....ton. 10.25 - —
Springfield, Mo....ton. 12.25 - —
Winooski, Vt....ton. 15.50 - —
Woodville, Ohio....ton. 11.50 - —
York, Pa....ton. 15.50 - —
Hydrated, paper bags, Adams, Mass ton. 15.50 - —
Annville, Pa....ton. 14.50 - —
Austin, Texas....ton. 13.00 - —
Bellefonte, Pa....ton. 14.50 - —
Buffalo, N. Y....ton. 16.00 - —
Cedar Hollow, Pa....ton. 14.50 - —
Chicago, Ill....ton. 15.00 - —
Duluth, Minn....ton. 14.00 - —
El Paso, Texas....ton. 17.50 - —
Engle, W. Va....ton. 14.50 - —
Farnams, Mass....ton. 14.00 - —
Gibsonburg, Ohio....ton. 16.50 - —
Hannibal, Mo....ton. 12.00 - —
Keystone, Ala....ton. 13.50 - —
Kimballton, Va....ton. 13.50 - —
Knoxville, Tenn....ton. 13.00 - —
Lee, Mass....ton. 15.50 - —
Lewisburg, Ohio....ton. 14.00 - —
Limedale, Ark....ton. 12.00 - —
Marble Cliff, Ohio....ton. 13.50 - —
McNeil, Tex....ton. 13.00 - —
Meneminee, Mich....ton. 14.00 - —
Mosher, Mo....ton. 12.50 - —
North Tazewell, Va....ton. 12.75 - —
Quincy, Ill....ton. 10.00 -12.00
Reddick, Fla....ton. 16.00 - —
Scotrock, Ala....ton. 13.50 - —
Springfield, Mo....ton. 12.25 - —
Winooski, Vt....ton. 15.50 - —
Woodville, Ohio....ton. 14.50 - —
York, Pa....ton. 14.50 - —
Spray, paper bgs., Adams, Mass. ton. 17.00 - —
Annville, Pa....ton. 17.00 - —
Austin, Texas....ton. 13.00 - —
Bellefonte, Pa....ton. 17.50 - —
Carey, Ohio....ton. 11.00 - —
Duluth, Minn....ton. 15.00 - —
Engle, W. Va....ton. 14.50 - —
Farnams, Mass....ton. 14.00 - —
Gibsonburg, Ohio....ton. 16.50 - —
Keystone, Ala....ton. 13.50 - —
Kimballton, Va....ton. 13.50 - —
Lee, Mass....ton. 17.00 - —
Lewisburg, Ohio....ton. 16.00 - —
Marble Cliff, Ohio....ton. 16.00 - —
McNeil, Tex....ton. 16.00 - —
Meneminee, Mich....ton. 14.00 - —
Mosher, Mo....ton. 12.50 - —
North Tazewell, Va....ton. 12.75 - —
Reddick, Fla....ton. 16.00 - —
Rockland, Me....ton. 10.00 - —
Springfield, Mo....ton. 12.25 - —
Scotrock, Ala....ton. 13.50 - —
Winooski, Vt....ton. 17.00 - —
Woodville, Ohio....ton. 16.50 - —
York, Pa....ton. 15.50 - —
Lime salts (see Calcium).
Lime-ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works....ton. 3.50 - 4.00
Linalool, ex bois de rose, dms..lb. 6.30 - 6.55
ex lignaloe wood, dms....lb. 6.75 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms..lb. 6.30 - 6.55
96-98%, dms....lb. 6.60 - 7.10
ex petitgrain, bots....lb. 4.60 - 5.05
Lindane, 25% formulation, cns., works..lb. 2.70 - —
dms., works....lb. 2.60 - —
99%, tech., dms., works....lb. 5.75 - 7.00
Linden flowers with leaves, bls..lb. .34 - .35
without leaves, bls....lb. .40 - .41
Linseed meal expeller, 36%, bulk, Midwest mills..ton. 78.00 Nom.
extracted, 36%, same basis..ton. 78.00 Nom.
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld..lb. .15¼- —
l.c.l., same basis....lb. .16¼- —
Lithium benzoate, dms....lb. 1.65 - 1.67
Bromide, NF, bbls., works, frt. equald..lb. 2.10 - 2.75
Carbonate, tech., dms....lb. .80 - 1.10
Chloride, cryst., dms....lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs..lb. 1.05 - 1.40
Fluoride, bbls....lb. 1.85 - 2.00
Hydride, powd., dms., works..lb. 12.00 - —
Hydroxide, monohydrate, dms..lb. .91 - 1.05
Salicylate, dms....lb. 1.60 - 1.70



ALL THREE AROFLAT RESINS (in odorless or regular solvents) *brush easily*, with *good leveling*. All are *intercompatible* to permit maximum flexibility of formulation for adjusting the ratio of solids to fit your requirements.

Shipped in *tank cars* or *drums*, Aroflat resins are *easy to handle, ready to use*. And U.S.I. has long experience in producing alkyds in odorless solvent, having been *first in the industry* to offer them.

Prompt Service from conveniently located warehouses in all sections of the country. For full information on the *complete* alkyd line, call or write your nearby office of U.S.I. – *first* with complete flat vehicles; *first* with alkyds in odorless solvents; and *first* to offer a complete alkyd line.

U.S.I. INDUSTRIAL CHEMICALS CO.
Division of National Distillers Products Corporation
120 Broadway, New York 5, N. Y.
Offices in Principal Cities

AN OPEN LETTER TO ALL OF OUR CUSTOMERS

TEL. FRAMINGHAM—6183

BERSWORTH CHEMICAL CO.
FRAMINGHAM, MASSACHUSETTS
Manufacturers of the Versenes — *Chemistry's most precise chemicals*
KEY TO CHELATION

November 1, 1952

Re: Price Reduction
Approximately 10%

Dear Versene*Customer:

Increased customer demand, expanded plant facilities and more efficient operations now permit us to reduce the price of Versene (Regular – and Versene Fe3) by approximately 10%*. With this reduction goes our continued guarantee of the same high quality of manufacture and uniformity of complexing power.

The lower price becomes effective on November 1st, 1952.

This is a substantial savings and we are glad to pass it along. In fact, we somehow feel that we actually owe it to you because you alone have made it possible. By favoring us with your business, you have indicated a certain confidence in us and Versene. We want to go on justifying this confidence by giving you the best product possible at the lowest possible cost.

We will appreciate the opportunity to be of further service.

Yours sincerely,

Frederick C. Bersworth

Frederick C. Bersworth
President

FCB/ms
*Trade Mark Registered.

*NEW PRICE LIST FOR VERSENE (Regular) and VERSENE Fe3 (Effective November 1st 1952)

Price Per Pound For Single Shipments											
	Under 500 lbs.		500 lbs.		2500 lbs.		5000 lbs.		20,000 lbs.	
	OLD PRICE	NEW PRICE	OLD PRICE	NEW PRICE	OLD PRICE	NEW PRICE	OLD PRICE	NEW PRICE	OLD PRICE	NEW PRICE
LIQUID (500 lb. Drums)										
Versene Solution 34% Versene Fe3 Solution 34%	.25	.25	~~.21~~	.19	~~.20½~~	.18½	~~.20~~	.18	~~.19~~	.17
POWDER (100 lb. and 250 lb. Drums)	LESS THAN DRUM		DRUM		2500 lbs.		5000 lbs.		20,000 lbs.	
Versene	.70	.70	~~.65~~	.60	~~.64~~	.59	~~.63~~	.58	~~.62~~	.57
Versene Fe3	LESS THAN DRUM		DRUM		2500 lbs.		5000 lbs.		20,000 lbs.	
BEAD										
Versene (100 lb. Drums) Versene Fe3 (150 lb. Drums)	.70	.70	~~.65~~	.60	~~.64~~	.59	~~.63~~	.58	~~.62~~	.57

Lithopone—Methyl Lactate

Lithopone, ordinary, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .65 - .66
Lobelia herb, bls lb. .42 - .43
Leaves, NF lb. .75 - .76
Lobeline sulphate, bots., works oz. 33.00 -34.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l lb. .39 - —
liquid, No. 1, bbls., l.c.l lb. .20 - —
No. 2, bbls., l.c.l lb. .19 - —
No. 3, bbls., l.c.l lb. .18½- —
solid, No. lb. .25 - —
Lovage root, imported, bls lb. .65 - .75
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs. lb. 1.70 - 1.75
Lysine hydrochloride, dextro-laevo, bots. kilo 145.00 -149.00

M

Mace, Siauw, No. 1, bls lb. .86 - 1.00
West Indian, cs lb. .85 - .86
broken, cs lb. .70 - .72
Magnesia, calcined, tech., ctns. works lb. .32 - .34¼
synth., rubber grade, ctns., works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy, bbls. lb. .36 - .38
Magnesite, chemical grade, bgs., c.l., works, frt. equald ton. 72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton. 36.30 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09¼- —
l.c.l., frt. alld lb. .10¼- —
bbls., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
kgs., c.l., frt. equald lb. .12 - —
l.c.l., frt. alld lb. .13 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —
bbls., c.l., frt. equald lb. .11¾- —
l.c.l., frt. alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
l.c.l., frt. alld lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.
Chloride, anhyd., lump, 95-98%, drums, c.l., works, frt. equald lb. .12¾- —
l.c.l., same basis lb. .14 - .15
powd., bbls., works ton. 50.00 - —
hydrous, flake, dms., l.c.l., works ton. 49.00 -51.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs lb. 26½- .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls. lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .24½- —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused, bbls lb. .31 - —
Magnesium oxide (see Magnesia calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls, works lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., c.s. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .37 - —
l.c.l., dlvd. E. of Rockies lb. .38 - —
Prices on maleic anhydride W of Rockies, 1½c. higher.
Malva flowers, black, bls lb. .90 Nom.
blue, bls lb. 1.65 - 2.00
Leaves, bls lb. .35 - .38
Mandrake root, bls lb. .29 - .30
Manganese acetate, bbls, dlvd lb. .32½- —
Arsenate, bgs lb. .16 - —
Borate, tech., bbls lb. .24 - —
Carbonate bbls., works lb. .21 - —
Chloride anhyd., dms., works lb. .20 - .22
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, paper bgs., gross for net, works ton. 83.00 - —
paper-lined burlap bgs., works ton. 86.00 - —
dms., works ton. 88.50 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Gluconate, dms., cns lb. 1.86 - 1.93
Manganese, glycerophosphate, NF, fib. dms. lb. 4.70 - 4.80
Hydrate, bbls., dlvd lb. .33¼- —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33¼- —
Metal, cs., dlvd. East lb. .30 - .33
Naphthenate, liquid 6% Mn., dms., frt. alld lb. .25 - —
Oleate, precip., bbls lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21¾- —
precip., dms lb. .24½- —
Stearate, ctns., c.l. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Sulphate, fertilizer grade, 63%, bgs., c.l., dlvd. S. E. ton. 75.50 - —
l.c.l., dlvd., S. E. ton. 82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E. ton. 87.50 - —
l.c.l., dlvd. S. E. ton. 94.50 - —
Tallate, 6%, dms lb. .21¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. 79.00 -80.00
So. American, 30% tannin, c.l., ex dock ton. 60.00 - —
Manna, flake, large, cs lb. 1.25 - 1.30
small, cs lb. .80 - .95
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Bohemian, bls lb. .23 - .23½
Chilean, bls lb. .20 - .20½
French, bls lb. .29 - .29½
Peruvian, bls lb. .22 Nom.
Matico leaves, bls lb. .25 - .35
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb. lots, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots gram. .06 - .06¼
Menthol, natural, USP, Brazilian, cs lb. 5.45 - —
Japanese, cs lb. 7.00 - 7.25
synthetic, USP, racemic, cns lb. 5.35 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .34 - .35
less ton lots, same basis lb. .36 - .37
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .42 - .42½
less ton lots, same basis lb. .44 - .45½
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb 5.29 - —
Iodide, red, NF, fib. dms lb 6.22 - —
yellow, NF, fib. dms lb 6.47 - —
Metal (see Quicksilver)
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd lb. .13¾- .14¼
l.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11½- .12½
Metaldehyde, dms., works lb. .95 - 1.23
Meta-aminophenol, distilled, dms., ton lots lb. 2.05 - —
less than ton lots lb. 2.50 - —
Metachloraniiin, dms., works lb. .30 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works lb. .74½- —
Metanitroanilin, dms., frt. alld lb. 1.05 - —
Metanitroparatoluidin, bbls lb. 1.54 - —
Metaphenylenediamine, kgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine, fib. dms., frt. alld lb. .94 - 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt alld gal. .79 - —
tanks, frt. alld gal. .70 - —
Prices on natural methanol W of Miss., 3c. higher.
Synthetic, Zone 1, dms., c.l., frt. alld gal. .44 - .45½
l.c.l., frt. alld gal. .49 - .50½
tanks, frt. alld gal. .32 - .33½
Zone 2, dms., c.l., frt. alld gal. .49½- —
l.c.l., ex whse gal. .54 - —
tanks, frt. alld gal. .35½- —
Synthetic methanol zones are:—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb. or more lb. 4.55 - —
feed grade, 98% fib., dms., same basis lb. 3.00 - —
97%, fib. dms., same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret, dms., c.l., dlvd., zone 1 lb. .19½- —
l.c.l., same basis lb. .20 - —
hydrogenated non-ret., dms., c.l., dlvd., zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Penn.
Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
l.c.l., same basis gal. .68 - —
tanks, same basis gal. .45 - —
Natural methyl acetone prices W of Miss. 3½c. per gal. higher.
synthetic, dms., c.l., dlvd. E. gal. .66½- —
l.c.l., dlvd. E gal. .72¼- —
tanks, dlvd. E. gal. .54½- —
Synthetic methyl acetone East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload works lb. .50½- —
tanks, works lb. .49 - —
Alcohol (see Methanol).
Anthranilate, cns. lb 2.35 - 2.40
extra, cns lb 2.65 - 4.40
Benzoate, cns., dms lb. .53 - .59
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit works lb. .14 - —
single-unit, works lb. .11½- —
refrigerator mfrs., cyls., dlvd lb. .39 - .48
other consumers or service men, cyls. dlvd lb. 486 - —
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Formate refd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Iodide, bots., works lb 4.00 - —
cbys., works lb 3.50 - —
Lactate, dms., l.c.l., works lb. .35 - —

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A Division of National Dairy Products Corporation

Methyl methacrylate, dms., c.l., and truckload, works ..... lb. .36½- —
less than truckload, works .. lb. .37 - —
tanks, works ..... lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. ..... lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms. lb. 5.40 - —
Salicylate, USP, dms., 500 lbs.. lb. .50 - —
cns., 50 lbs. ..... lb. .55 - —
Testosterone, USP, 100 gms. .gm. 1.75 - —
Methylal, refined, 95%, dms., c.l., works. lb. .11 - —
l.c.l., works ..... lb. .12 - —
tanks, works ..... lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. E .lb. .14¾- —
l.c.l., dlvd. E ..... lb. .15½- —
tanks, dlvd. E ..... lb. .13 - —
Ketone, dms., works ..... lb. 1.05 - —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works. lb. .78 - —
2,000 lbs., and more, same basis .lb. .80 - —
smaller lots, frt. alld. on 100 lbs. .85 - .97
standard vis. (15-400 cps.), 50-lb. bgs., c.l., alld. lb. .66 - —
2,000 lbs. and more, same basis lb. .68 - —
smaller lots, frt. alld. on 100 lbs. lb. .72 - .83
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - 3.60
smaller lots, kgs., same basis lb. 3.40 - 3.60
Chloride, industrial, dms., c.l., dlvd. E lb. .13½- —
Methylethylketone, dms., c.l., dlvd. lb. .12¾- .13¾
l.c.l., dlvd. ..... lb. .13½- .14½
tanks, dlvd. ..... lb. .11 - .12
Methylethylpyridin, dms., c.l., works. lb. .47½- —
l.c.l. works ..... lb. .48 - —
tanks, works ..... lb. .46 - —
Methylheptin, carbonate, bots. ... lb. 35.00 - 45.00
Methylionone, A, cns ..... lb. 6.55 - 8.80
D, cns. ..... lb. 7.50 - 9.55
prime, cns. ..... lb. 4.55 - 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd ..... lb. .14¾- —
l.c.l., dlvd. ..... lb. .15½- —
tanks, dlvd. ..... lb. .13 - —
Methylnaphthyl, ketone, cans ... lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone, 250-lb. dms., dlvd lb. 1.60 - 1.70
less than 250 lbs., dms., dlvd lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¼- —
l.c.l., ex whse. or frt. allo. E lb. .06½- —
extra fine, bgs., c.l., works, frt. allo., E lb. .05¾- —
l.c.l., ex whse. or frt. allo. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. allo., E lb. .07¼- —
l.c.l., ex whse. or frt. allo. E lb. .08 - —
rubber, bgs., c.l., works, frt. allo. E lb. .07 - —
l.c.l., ex whse. or frt. allo. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. allo. E lb. .07¼- —
l.c.l., ex whse. or frt. allo. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. allo. E lb. .07¼- —
l.c.l., ex whse. or frt. allo. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher. W of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb. .16¾- .18¾
spray, bbls., c.l ..... lb. .17¾- .19¾
whole, roller, bbls., c.l ..... lb. .34 - .36
spray, bbls., c.l ..... lb. .38 - .44½
Sugar crude, bgs., c.l., works. lb. .18 - —
edible, bgs., works, 30,000-lb. lots, works lb. .24 - —
2,000-lb. lots, works lb. .24¾- —
200-1,800-lb. lots, works lb. .25¼- —
Edible milk sugar in fib. dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, lots, works lb. .29 - —
2,000-lb lots, works lb. .29¾- —
200-1,800-lb lots, works lb. .30¼- —
USP milk sugar in bgs., 1c lower.
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, feed grade, tanks, New Orleans gal. .09 - .09½
New York ..... gal. .10½- —
Molybdenum metal, 99% Mo, powd., kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs. works, basis Mo. content lb. 1.13 - 1.14
Monobutylamine, dms., c.l., E. of Rockies .lb. .54¾- —
l.c.l., same basis ..... lb. .55¾- —
tanks, same basis ..... lb. .53 - —
Monochlorobenzene, dms., c.l., frt. allo. or dlvd. E. lb. .10½- .11½
l.c.l., same basis ..... lb. .11½- .12½
tanks, same basis ..... lb. .09 - .10
Monochlorobenzene prices in the West, 1¾c. higher
Monoethanolamine, dms., c.l., dlvd. E. lb. .29¾- —
l.c.l., same basis ..... lb. .30¾- —
tanks, same basis ..... lb. .28 - —
Monoethylanaphthylamine, dms., works lb. .83 - —
Monoethylamine, 70% contained amine, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd ..... lb. .33 - —
tanks, dlvd ..... lb. .30¼- —
Monoethylaniline dms., c.l., frt. allo. lb. .51 - .57
l.c.l. frt allo ..... lb. .52 - .58
tanks, frt allo ..... lb. .50 - .56
Monoethylorthotoluidin bbls ... lb. .60 - —
Monoisopropylamine, dms., c.l., frt. allo. E. of Rockies lb. .29½- —
l.c.l., same basis ..... lb. .30¼- —
tanks, same basis ..... lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l. works basis 100%, lb. .35 - —
l.c.l. same basis ..... lb. .35½ .36
tanks, same basis ..... lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic
Phosphate (see Sodium phosphate monobasic)
Mono-tertiary butylmetacresol, dms., c.l., works lb. .49 - —
l.c.l., works ..... lb. .50 - —
tanks, works ..... lb. .46 - —
Morphine, cns ..... oz. 12.40 12.60
Acetate, anhyd., cns ..... oz. 9.95 10.00
Hydrobromide, cns ..... oz. 9.90 9.95
Hydrochloride, NF, cns ..... oz. 9.90 9.95
Sulphate USP cns ..... oz. 9.90 10.05
Morpholine, dms., c.l., dlvd. E lb. .60¾ —
l.c.l. dlvd E ..... lb. 61¾ —
tanks, dlvd. E ..... lb. 59 —

Mullein flowers, cs. ..... lb. 2.00 - 2.05
Leaves, bls. ..... lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz. 40.00 - 55.00
synthetic, ambrette, 100-lb. lots, fib. dms. lb. 5.35 - —
25-lb. lots, cns. ..... lb. 5.40 - —
5-lb. lots, cns. ..... lb. 5.55 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb. lots, cns. ..... lb. 5.35 - —
5-lb. lots, cns. ..... lb. 5.50 - —
xylol, 100-lb. lots, fib. dms. .lb. 1.50 - —
25-lb. lots, cns. ..... lb. 1.55 - —
Musk root, bls. ..... lb. 1.60 - 1.65
5-lb. lots, cns. ..... lb. 1.70 - —
Mustard seed, Calif. brown bgs., f.o.b. source lb. .12 - —
Danish, yellow, bgs. ..... lb. .11 - .13½
Dutch, yellow, bgs. ..... lb. .11 - .12
English, yellow, bgs. ..... lb. .12½- .14
German, yellow, bgs. ..... lb. .10½- .11
Japanese yellow, bgs ..... lb. .10 - .10¼
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .08 - —
oriental, bgs., source, Sept.-Oct. shipment lb. .05½- —
yellow, bgs., source, Sept.-Oct. shipment .lb. .09¼- —
Myrobalans, J1, ord. bgs., ex dock, ton. 47.00 - —
assorted, ex dock ..... ton. 48.50 - —
crushed, bgs., ex dock ..... ton. 65.00 - 66.00
J2, bgs., ex dock ..... ton. No prices.

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).

Naphthalene, dom., crude, 74°, tanks, frt. equald. lb. .0625- —
78°, dms., c.l., same basis .. lb. .0765- —
l.c.l., same basis ..... lb. .0790- —
tanks, same basis ..... lb. .0675- —
refined, industrial, bbls., c.l., frt. equald. lb. .11¾- —
bgs., c.l., same basis .... lb. .11¼- —
tanks, same basis ..... lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½- —
cs., 50 lbs., c.l., same basis lb. .14¾- —
1-lb. pkgs., c.l., same basis lb. .17 - —
imported, crude, 78° large lots, lb. .04 - .04¼
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots gm. .60 - —
1-kilo lots ..... gm. 1.20 - —
Nepheline syenite, glass, 24 mesh, bulk, works ..... ton. 14.25 - —
pottery, 200 mesh, bulk, works, N.Y. ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. ..... lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd ..... lb. .60 - .60½
Carbonate, bbls., dlvd ..... lb. .66¼- —
Chloride, bbls., dlvd ..... lb. .34½- —
Cyanide, bots., dms ..... lb. 2.75 - 4.50
Formate, bbls., ton lots, frt. allo. lb. .58½- .59½
Metal, electro cathodes, cs., works. lb. .56½- —

Methyl Methacrylate—Nitrocellulose

Nickel nitrate, bbls., works ..... lb. .33½- —
Oxide, black, bbls ..... lb. .63¼- —
Sulphate, bgs., c.l., dlvd ..... lb. .26¼- —
l.c.l., dlvd ..... lb. .26¾- —
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 - 12.30
Hydrochloride, dms. frt. adjusted kilo. 11.50 - 11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. allo. over 70 lbs. dm 49.40 - —
10-lb tins, dealers, frt. allo. on cases of 6 tin. 10.85 - —
Niger seed, bgs. afloat ..... lb. .11 - .11¼
Nikethamide, cbys ..... lb. 7.50 - 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. allo lb. .10½ - .11¼
l.c.l., frt. allo ..... lb. .11½- .12¼
tanks, frt. allo ..... lb. .09½- .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
l.c.l., same basis lb. .34 - .36
18-25 cps., bbls., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., bbls., same basis lb. .42 - —
l.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis. lb. .45 - —
l.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .45 - .47

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.

HERE'S a new corrosion-resistant finish . . . which contains its own curing agent!

With this amine-cured Epon® resin coating you can spray surfaces of any size . . . in any location . . . and, at room temperature, get toughness and corrosion resistance equal to that of finishes requiring high-temperature baking.

So easy to apply! A single heavy coat of an amine-cured Epon resin finish is practical since the finish converts itself!

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Nitroethane—Oil, Pimento Leaf

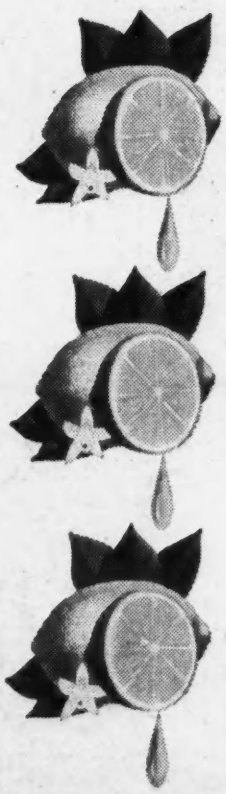
Nitroethane, dms., dlvd. E. of Rockies lb. .25 - —
Nitrogen solution, tanks, works, 37-40.8% N. ton.120.00 - —
Nitrogenous process tankage, bulk, works unit-ton. 5.00 Nom.
Sewage sludge, bulk, works unit-ton. 3.75 + .50
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb .25 - —
Nonylphenol, dms., c.l., works lb. .33¼- —
l.c.l., works lb. .33¾- —
tanks, works lb. .32¼- —
Nutgalls, Aleppo, bgs lb .38 - —
Chinese bgs lb .32 - —
Istrian, bgs lb .31 - —
Nutmeg, East Indian, whole, cs lb. .34 - .35
shrivels, bgs lb. .33 - .34
West Indian, bgs lb. .30 - .31
Nux vomica, bls lb .10 - .12
powdered, bbls., bxs lb .13 - .14

O

Octane, 100° 140°C., industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l gal. .21 - .60
tanks gal. .15½- —
10°C., b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd lb. .419 - —
l.c.l., dlvd. lb. .439 - —
tanks, dlvd. lb. .394 - —
Octyl methacrylate, normal, dms., less than truckload, works lb. .83 - —
Octylphenol, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, works lb. .25¼- —
Oil, abies siberica, cns lb. 2.50 - 3.10
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots lb. 2.75 - 4.75
NF, bots lb. 2.85 - 3.75
sweet, USP, dms., cns lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.75 - 2.00
Angelica root, bots lb.80.00 -115.00
seed, bots lb.50.00 -95.00
Anilin (see A).
Anise, USP, Chinese, dms lb. 2.25 - 2.50
Apricot, kernel, USP, dms lb. .34 - .60
Avocado, cns., dms lb. No prices.
Babassu, crude, tanks lb. No stocks.
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.55 1.90
55-60%, cns lb. 1.65 2.10
West Indian, 50-55%, cns., dms lb. 1.50 - 2.25
Bergamot, artif., cns lb. 2.90 - 3.00
natural, NF, Italian, cns lb.13.50 -14.75
Birchtar, crude, cns lb. 1.50 - 2.00
rectified, NF, cns lb. 2.65 - —
Bois de rose, Brazil, dms lb. 3.90 - 4.60
Mexican (see Oil, lignaloe wood).
Bone, dms. works lb .65 - .70
Cajeput, redist, USP, cns lb. 2.20 - 3.00
tech., cns lb. 1.85 - 2.85
Calamus, cns lb.10.00 -20.00
Camphor sassafrassy, dms lb 26 42
white, dms lb .26 .50
Cananga, native, cns lb.11.00 -11.50
rectified, cns lb.11.00 -14.50
Oil, capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb. 3.75 - 4.25
Cardamom, NF, bots lb.45.00 -65.00
Cassia, USP, cns., dms lb. 5.25 - 6.50
Castor, blown, dms., c.l lb. .2900- —
l.c.l. lb. .2950- —
dehydrated, bodied, dms., c.l., lb. .3210- —
l.c.l. lb. .3260- —
tanks lb. .3110- —
unbodied, dms., c.l. lb. .3060- —
l.c.l. lb. .3110- —
tanks lb. .2960- —
hydrogenated, bgs lb. .3425- .3475
No. 1, Brazilian, tanks lb. .24¾- .25
USP, dms., c.l lb. .2700- —
l.c.l. lb. .2750- —
tanks lb. .2600- —
refined and deodorized, dms., c.l. lb. .2850- —
l.c.l. lb. .2900- —
tanks lb. .2750- —
No. 3, tech., dms., c.l lb. .2675- —
l.c.l. lb. .2725- —
tanks lb. .2575- —
sulphonated, 50% (48% fat), dms., l.c.l lb. .16½- .17
75% (60-62% fat), dms., l.c.l. lb. .23 - .23½
Cedarleaf, cns., dms lb. 2.25 - 2.80
Cedarwood, cns., dms lb. .50 - .70
Celeryseed, bots lb.16.50 -21.00
Chamomile, blue, Hungarian, bots. lb.250.00 -260.00
Chaulmoogra, NF, cns., dms lb. .55 - 70
Chinawood (see Oil, tung)
Cinnamon bark, USP, bots lb.25.00 -60.00
leaf, Ceylon, bots lb. 2.00 - 3.25
Citronella, Ceylon, cns., dms lb. .55 - .90
Java, true, cns lb. 1.10 1.90
Java type, cns lb. .45 - .85
Clove, USP, from buds, cns., dms. lb. 7.50 - 8.75
Oil, coconut, crude, tanks, New York. lb. .16 Nom.
Pac. Coast lb. .14¾ Nom.
refined, Cochin type, tax incl., ret. dms., l.c.l. lb. .23½- —
deodorized, tax incl., non-ret. dms., c.l. lb. .24¾- —
Cod, Newfoundland, dms lb. .10 - .10½
Codliver, USP, dms gal. 1.55 - 1.65
Copaiba, cns lb. 2.00 - 2.50
Coriander, USP, bots lb.22.00 -28.50
Corn, crude, tanks, works lb. .14 - —
foots (soapstock), acid, 95%, tanks, N. Y lb. .04¼- —
raw, 50%, tanks, same basis. lb. .02 - —
refined, dms. lb. .19¾- .19⅝
tanks lb. .17¾- —
Costus, bots. oz.14.00 -25.00
Cottonseed, crude, tanks, Southeast lb. .14 - —
Valley lb. .14 - —
Texas lb. .13⅝- —
foots (soapstock), acid, 95%, tanks, N. Y lb. .03¼- —
raw 50%, tanks, same basis. lb. .01¼- —
salad, dms lb. .19¼- .19½
tanks lb. .17⅝- .17¾
Creosote (see Creosote, coaltar).
Croton, cns lb. 4.30 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 5.85 - 6.75
Cumin, bots. lb 4.90 - 6.00
Cypress, bots lb No stocks.
Degras (see D)
Dillseed, India, bots lb 3.55 - —
Dillweed, domestic, bots., dms lb. 3.65 - 4.25
Dip (see D)
Erigeron, cns lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 80-85%, dms lb. 1.00 - 1.50
70-75%, dms lb. .85 - 1.30
Fennel, sweet, USP, cns lb. 2.30 - 3.00
Fir, Canada, cns lb. 2.65 - 2.90
Fish, refined, alkali, dms lb. .1360- —
kettle-bodied, dms lb. .1560- —
light-pressed, dms lb. .1210- —
tanks lb. .1050- —
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13½
10,000 to 20,000 A units per gm., dms 1,000,000 units. .12 - .12½
25,000 to 35,000 A units per gm., dms 1,000,000 units. .12 - .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units. .12 - .13
prime, nat. or conc., 100,000 A units per gm., dms. 1,000,000 units. .13 - —
200,000 A units per gm., dms. 1,000,000 units. .15 - —
300,000 A units per gm., dms. 1,000,000 units. .15 - —
400,000 A units per gm., dms. 1,000,000 units. .15 - —
500,000 A units per gm., dms. 1,000,000 units. .15 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots oz. 7.25 - 8.50
Gaultheria (see Oil, wintergreen)
Geranium, Algerian, cns lb.12.25 -20.00
Bourbon, cns lb.12.00 -17.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb.15.00 -16.50
Grapefruit, dms lb. 2.50 - 2.75
Grease, No. 1, dms lb. .10½- .11¼
extra, winter, strained, dms lb. .11½- .12
prime, burning, dms lb. .12½- .13
Guaiacwood, cns lb. 1.60 - 2.10
Hemlock, cns lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots lb. 2.50 - 2.75
twice rectified, bots lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, dms., cns lb. 9.75 12.50
Lavandin, dms., cns lb. 3.00 - 3.25
Lavender, flower, USP, French, 30-32% ester, cns lb. 3.10 - 4.75
38-40% ester, cns lb. 4.85 - 6.75
40-42% ester, cns lb. 6.00 - 6.75
Spike, Spanish, cns lb. 1.50 - 2.00
Lemon, USP, Calif., cns., dms lb. 5.85 - 6.30
Messina, cns lb. 5.85 - 9.50
Lemongrass, cns., dms lb. .75 - 1.40
Lignaloe wood, Mexican, cns lb. 3.75 - 4.50
Lime, distilled, Mexican, cns lb. 6.50 - 7.85
West Indian, cns lb. 7.40 - 8.25
expressed, West Indian, cns lb. 7.25 - 9.25
terpeneless, bots lb.45.00 -65.00
Linseed, raw, dms., c.l., N.Y. lb. .1770- —
l.c.l. lb. .1820- .1870
tankcars, f.o.b. Minneapolis lb. .1480- —
New York lb. .1605- —
tankwagon, N. Y. lb. .1635- —
Boiled, linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms lb. 3.50 - 4.25
Mandarin, Floridian, dms lb. 4.00 - 5.00
Italian, cns lb. 6.50 -12.00
Menhaden, crude, tanks, Balto lb. .07 - —
Mineral, white (see Oil, white, mineral)
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms lb. .19¼- .19¾
synthetic, cns., dms lb. 1.70 - 1.85
Neatsfoot, 15°, dms lb. .31 - .33
20°, dms. lb. .30 - .32
30°, dms. lb. .28 - .30
Neroli, NF, French, bots lb.216.00 -275.00
petale, bots lb.40.00 -150.00
Nutmeg, USP, dist., East Indian, cns., dms lb. 3.35 - 4.05
West Indian, cns., dms lb. 3.25 - 3.50
Ocotea cymbarum, dms lb. .58 - 1.00
Oiticica, liquid, dms lb. .22½- .23½
tankcar lb. .21½- .22¼
Oleo, extra, dms lb. .14 - .15
Olibanum, bots lb. 5.50 - 7.65
extra fine, bots lb 8.00 - —
Olive, commercial, dms gal. 2.05 - —
edible, dms., duty paid gal. 2.30 - 2.45
foots, dms. lb. .15 - .15¼
Orange, sweet, dist., cns lb. .70 - .85
expressed, USP, Brazilian, cns., dms lb. No stocks.
Calif., cns lb. 1.00 - 1.75
Florida, cns., dms lb. 1.00 - 1.55
Messina, cns lb 4.00 - 5.85
West Indian, cns lb 2.75 - 3.35
sesquiterpeneless, bots lb.150.00 -180.00
Origanum, Spanish, cns oz. 2.15 - 2.75
Palm, clarif., dms lb. .1375- —
tankcars lb. .1160- —
Palmarosa, cns lb. 7.35 - 8.40
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refinery gal. .14 —
Patchouli, dms lb. 7.25 - 8.75
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast. lb. .19 - —
refined, dms lb. .24 - .24½
tanks lb. .22½- —
Pennyroyal, USP, imported, cns lb. 2.00 - 2.40
Peppermint, natural, dms lb. 5.75 - 7.50
redist., USP, dms lb. 6.00 - 8.25
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms lb No stocks.
Petitgrain, Paraguay, cns., dms lb. 2.50 - 3.10
Pimento berry, NF, dms lb. 4.65 - 5.75
leaf, cns lb. 2.35 - 2.60



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SUNKIST GROWERS
PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA

Producing Plant:
Exchange Lemon Products Co.
Corona, California

Oil, pine, dest., dist., dms., extra, c.l., works gal. .75½ —
l.c.l. gal. .76½ —
whse. gal. .95½ —
steam dist. dms., ex whse., N.Y.C lb. 127 .128
Pineneedle, Siberian (see Oil, abies siberica).
Putty, petroleum dms. c.l., dlvd. lb. .11 —
l.c.l. same basis lb. .12 —
tanks, same basis lb. .10 —
Rapeseed, tankcars lb. .16½ —
Red (see Acid oleic).
Rice, bran, clarif., dms lb. .16 - —
crude, tanks, dlvd. E lb. 12 - —
Rose, natural, Bulgarian, bots oz. 55.00 -62.25
Rosemary Spanish tech., cns., dms lb 60 90
USP, cns., dms lb. 80 1.10
Rue, bots lb. 2.50 - 2.65
Safflower dms., c.l., works lb 16 —
tanks, works lb 15 —
Sage, clary, bots lb. 20.00 -25.00
Dalmatian, cns lb. 8.25 - 9.75
Spanish cns lb. .90 - 1.25
Sandalwood, NF, cns lb. 9.75 -11.80
Sardine crude tanks Pac. coast. lb. No stocks.
Sassafras, artificial, dms lb. .55 - .70
natural Brazilian (See Oil ocotea cymbarum)
domestic, USP, cns., dms lb. 1.90 - 2.25
Savin, cns lb. 2.75 3.00
Savory, cns lb. No stocks.
Sesame, refd., dms. lb. .35½ - .37
Shingle stain, tar distillate, dms. c.l. works lb. 31 —
l.c.l. works lb. 33 —
tanks, works lb. 21 —
Snakeroot, Canada cns lb. 31.00 -35.00
Soybean, crude, tanks, mills lb. .11½ - —
foots (soapstock), acid, 95% tanks, N. Y lb. .05¼ - —
raw, 50% tanks, N. Y. lb. .02½ - —
refined, alkali, dms., c.l. lb. .14¾ - —
l.c.l. lb. .15¼ - .15½
tanks lb. .13¼ - —
clarified, dms., c.l. lb. .14¼ - —
l.c.l. lb. .14¾ - .15
tanks lb. .12⅞ - —
salad, dms lb. .15⅞ - .15⅝
tanks lb. .13¾ - —
Spearmint, USP, dms lb. 7.75 - 9.00
Sperm, bleached, winter, 45°, dms lb. .1630 .1660
tankcars lb. .1520 —
natural, winter 45°, dms lb. .1510 .1560
tankcars lb. .1400 —
Spruce, cns., dms lb. 2.10 2.75
Sweet birch USP, Northern, cns. lb 4.95 8.00
Southern, cns lb. 2.00 3.25
Tall, crude, tanks, works lb. .02¼ - .02½
refined, dms., c.l., works lb. .06¼ - .07¼
l.c.l., works lb. .06½ - .07½
tanks, works lb. .05 - .06
Tallow, acidless, dms lb. .09¾ - .10¼
Tansy, dms lb. 8.25 - 9.00
Tar, pine, com'l, dms., extra, c.l., works lb. 0488 - —
l.c.l., works lb. 0545 - —
whse lb. 0655 - —
tanks, works lb. 041 —
rectified, N F l.c.l., dms. ex. tra works, South gal. 67 —
whse N Y C. gal. 77 - —
Tar acid (see T).
Theobroma (see Cocoa butter).
Thyme, NF red, cns., dms lb. 1.90 3.75
white cns lb 2.25 4.00
Tung, dom., tanks, mills lb. No stocks.
imported, dms., c.l. lb. .39¼ - —
l.c.l. lb. .39¾ - .40
tanks lb. .37¾ - —
Turkey red (see Oil, castor, sulphonated).
Turpentine NI, cns., dms lb. .25 - .45
Vetiver, Bourbon, cns lb. 22.00 -28.50
Haitian, cns lb. 17.50 -26.00
Java, cns lb. 35.00 - —
Wheat germ, 5-gal dms gal. 9.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l. gal. .51½ - .54½
l.c.l. gal. .56½ - .57½
65-75 vis., dms gal. .52½ - .55½
l.c.l. gal. .57½ - .58½
NF, 80-90 vis., dms., c.l. gal. .53½ - .56½
l.c.l. gal. .58½ - .59½
125-135 vis., dms., c.l. gal. .59½ - .62½
l.c.l. gal. .64½ - .65½
145-155 vis., dms., c.l. gal. .66 - .68½
l.c.l. gal. .71 - .71½
175-185 vis., dms., c.l. gal. .69½ - .73
l.c.l. gal. .74½ - 76
USP, 200-210 vis., dms., c.l. gal. .72½ - .75
l.c.l. gal. .77½ - 78
345-355 vis., dms., c.l. gal. 77 - .80
l.c.l. gal. .83 - 85
Wintergreen, USP, nat., Northern, cns lb. 5.75 -14.50
Southern, cns lb. 3.25 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. lb. 8.00 - 9.25
Wormwood, cns lb. 5.55 - 6.85
Ylang-ylang, Bourbon, bots lb 18.00 -30.00
extra, bots lb. 25.00 -40.00N
Madagascar bots lb No stocks
Oleostearin, bbls lb. .09 - .10
Olivine aggregate, c.l., mines ton 7.00 9.50
crushed 8 mesh bulk, c.l. works ton 10.60 —
paper bgs, c.l., works ton 12.03 —
Opium, USP, cns lb. 19.20 -19.45
gran., USP, cns lb. 21.65 -21.90
powd., USP cns lb. 21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.52 - —
Chrome, CP, bbls., dlvd N of Tenn and N. C., E of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —
Chrome orange prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport), 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd Pac. Coast, for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.
Dinitroaniln toner lb. 1.30 —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .1960 —
Molybdated, bbls lb. .44 - —
Orthonitroaniln toner, kgs lb. 1.15 - —
Persian, bbls lb. .65 - —
Orange flowers, bls lb. .55 - .56
Peel, bitter, Haitian, bls lb. .12 - .14
sweet, bls lb. .14 - .16
Oregano, Italian, bgs lb. .15 - .17
Mexican, bgs lb. .15 - .19
Portuguese, bgs lb. .15½ - .18½
Orris root, Florentine, bls lb. .20 - .22
powdered, bbls., bxs lb. .25 - .26
Verona, bls lb. .14 - .15
powdered bbls., bxs lb. .19 - .24
Orthoaminobiphenyl, dms., c.l., works lb. .22½ - —
l.c.l. same basis lb. .33 - —
tanks, same basis lb. .37 - —
Orthoanisidin bbls lb. .62 - —
Orthochloroaniln, dms., c.l. lb. .65 - .70
l.c.l. lb. .67 - .72
Orthochlorobenzaldehyde, dms., works lb. 1.18 - —
Orthochloroparanitroaniln dms, dlvd lb. .86 - —
Orthochlorophenol dms, c.l., frt. equald lb. .34½ - —
l.c.l., same basis lb. .35½ - —

Orthocresol, pure, 30° C, non-ret., dms., c.l. frt. equald lb. .198 - —
l.c.l. same basis lb. .201 - —
ret. dms, c.l. same basis lb. .195 - —
l.c.l. same basis lb. .20 - —
29° C. non-ret dms, c.l., same basis lb. .188 - —
l.c.l. same basis lb. .191 - —
ret dms, c.l., same basis lb. .185 - —
l.c.l., same basis lb. .19 - —
24-29° C non-ret dms, c.l., same basis lb. .153 - —
l.c.l., same basis lb. .156 - —
tanks, same basis lb. .140 - —
Orthodichlorobenzene, dms, c.l., works frt. alld E of Rockies lb. .11¼ - .13¼
l.c.l., same basis lb. .12¼ - .14¼
tanks, same basis lb. .09¾ - .11¾
Orthoisopropyl N phenylcarbamate (see IPC)
Orthonitroaniln dms lb. .50 .58
Orthonitrochlorobenzene dms lb. .20 .21
Orthonitrohiphenyl tech. dms, c.l., works lb. .14½ —
l.c.l. works lb. .15 —
tanks, works lb. .13 —
Orthonitroparachlorophenol, cns lb. 75 - —
Orthonitrophenol, bbls, works lb. .94 - —
Orthonitrotoluene dms., c.l., frt. alld. lb. .10 - —
l.c.l. frt alld lb. .11 - —
tanks, frt. alld lb. .09 - —
Orthophenetidin dms., works lb. 1.00 - —
Orthophenylphenol fib dms., works. lb. .20 44
Ortho-tertiary-amylphenol, dms., c.l., works lb. .43¾ - —
l.c.l., works lb. .46¾ - —
tanks, works lb. .41¾ - —
Orthotoluidin dms., c.l., works lb. .23 —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —

Osage orange, crystals, No. 1, bbls., l.c.l lb. .40 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Orthotolidin (see Tolidine Base)
Ouabaine, USP bots gram 3.00 - 4.00
Ox gall, dried, gran, or powd., dms., 5 lbs or more lb. 4.35 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works lb 4.75 5.00
smaller lots, works lb 5.28 5.38

P

Pancreas substance, assay 1:75 bots. lb. 5.50 6.00
Pancreatin, USP bots lb. 2.50 3.00
Panthenol, bots, works, frt. adjust. kilo 90.00 —
Papain, powd., African, dms lb. 7.00 - 7.25
Ceylon, dms lb. 5.75 6.00
Papaverine natural or synthetic hydrochloride, USP, cns., 25 oz. to 100 oz., lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 7.35
Para-anisidin dms, works lb 88 —
Paprika Algerian, bgs lb 27 .28
Czech, bgs lb. .28½ - .30
Moroccan bgs. lb. .24 - .25
Spanish, bgs lb. .41 - .44
Para-acetylaminobenzal lehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Para-aminophenol dms, frt alld lb. .97 - 98
Parachlorosaniln dms., frt alld., E of Miss lb. 75 - —
Parachlorobenzaldehyde, dms, works. lb. 1.34 1.37

Oil, Pine—Paraformaldehyde, Technical

Parachloro-orthonitroaniln, dms., frt alld lb 73 83
Parachlorophenol, dms., c.l., frt. equald lb. .34½ - —
l.c.l., same basis lb .35½ - —
Paracresol, 98%, dms., c.l., dlvd lb. .49 - —
l.c.l., dlvd. lb. .51 - —
Methylether, cns lb 2.15 2.50
Paracymene, dms., 50-gal. lots or more, works gal. 2.50 - —
smaller lots gal 3.00 - —
Paradibromobenzene, bgs, 500-lb lots lb .55 - —
Paradichlorobenzene, dms, c.l., works lb. .14½ - —
l.c.l., same basis lb. .17 - —
Paraffin, crude, scale, white, 121°-123°F, ASTM, solid, c.l., ref'y lb. .055 - —
fully refined, 122-124 ASTM, loose, c.l., rfy lb. .0745- —
125°-127°F, ASTM, loose, c.l., ref'y lb. .0745- —
130°-132°F, ASTM, loose, c.l., ref'y lb. .0755- —
132°-134°F, ASTM, loose, c.l., ref'y lb. .0755- —
135°-137°F, ASTM, loose, c.l., ref'y lb. .0755- —
Prices for paraffin in bags and cns. c.l., 7 10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c per lb. higher and under 1.000 lbs., 3.7c. per lb. higher
Paraformaldehyde tech., 91%, powd., bgs., c.l., frt. alld. lb. .15½ - —
l.c.l., frt. alld lb. .17 —
flake, bgs., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13½ - —

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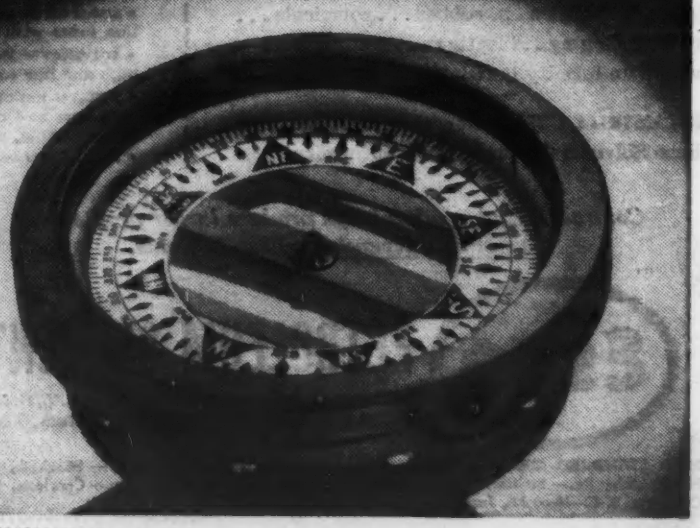

Paraformaldehyde, USP X—Phenol, USP

Paraformaldehyde, USP X, fib. dms., c.l. lb. .198 - —
10,000-lb lots lb. .198 - —
1,000-lb. lots lb. .198 - —
smaller lots lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works lb. .1385- .1650
l.c.l., works lb. .1485- .1750
tanks, works lb. .1200- .1500
Paranitroaniiin, dms., c.l., works, frt. alld lb. .48½- —
l.c.l., works, frt. alld lb. .51½- —
Paranitrochlorobenzene, kgs., works. lb. .21 - .22
Paranitrophenol, kgs., works, frt. equald lb. .46 - —
Paranitrotoluene, kgs., frt. alld lb. .36 - —
Paraphenetidin, dms., works lb. .90 - —
Paraphenylenediamine, redistilled, dms., works lb. 2.00 - —
tech., refd., dms., same basis lb. 1.10 - 1.35
Paraphenylphenol, bgs., c.l., works. lb. .37½- —
l.c.l., same basis lb. .42 - —
Para-tertiary butylphenol, bgs., c.l., works lb. .27½- —
l.c.l., same basis lb. .28½- —
Parathion, spray powder, 15%, dealers, tins lb. .53 - .59
tech., dms., works lb 1.50 - —
Para-tertiary-amylphenol, ctns., c.l., works lb. .26 - —
l.c.l., works lb. .27 - —
tanks, works lb. .25 - —
Paratoluenesulphonamide, flake, bbls., frt. alld lb. .64 - .66
powd. bbls., works lb. .70 - —
solid, bbls., frt. alld lb. .61 - —
Paratoluidin, flake, bbls., frt. alld. lb. .64 - .68
solid, bbls., frt. alld lb. .61 - —

Pareira brava root, whole, bgs lb. .30 Nom.
ground, bxs lb. .40 Nom.
powder, bxs lb. .43 Nom.
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb. .35 - .36
l.c.l., same basis lb. .39 - .67
Passion flower herb, bls lb .25 - .26
Peanut meal, 45%, sacked, mills. ton. 92.00 -93.00
Pectin, citrous, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.50 - —
Penicillin, crystalline, potassium, bulk, sterile, 1,000,000 units... .11 - .13
Procaine, bulk, 1,000,000 units . .12 - .15
Sodium, bulk, sterile, 1,000,000 units. .11 - .13
Pennyroyal herb, bls lb .45 - .50
Pentachlorophenol, dms., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .24 - .29
truckload, 20,000 lbs. min. same basis lb. .21¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .33 - —
l.c.l., works lb. .34 - .36
Di- and -tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, industrial, tanks, group 3. gal 12 13⅛
Pepper, black, Malabar, spot, bgs. lb. 1.63 - 1.64
red, Carolina, long, bgs lb. .34 Nom.
Haitian, bgs lb. .25 .26
Japanese, hontakas, bags lb. .45 Nom.
birdseyes, bags lb. .46 - .47
Louisiana longs, bgs lb. .38 - —
Mississippi sports, bgs., source, new crop lb. .38 Nom.
Mombasa, bgs. lb. .43 - .44
Nigerian, bgs lb. .34 Nom.
Sierra Leone, bgs lb. .43 - .44

Pepper, red, Turkish, bgs lb. .37 Nom.
Unganda, bgs lb. .36½- —
white, bgs lb. 1.56 - 1.60
Peppermint leaves, USP, bls., dms lb. .65 - .66
imported, bls. lb. 1.05 Nom.
Pepsin, NF, 1:3,000, bulk lb. 3.75 - 3.90
Perchloroethylene, dms., c.l., or truckloads, works lb. .11 - —
dlvd. E lb. .12 - —
l.c.l., works lb. .11¾- —
dlvd. E lb. .12½- —
tanks, works lb. .10½- —
Peru balsam, dms lb. 1.25 - 2.00
Petrolatum amber, dms., c.l., refy. lb. .04¾- .05⅝
l.c.l., dlvd. lb. .06½- —
tanks, refy lb. .03½- .04⅛
cream, dms., c.l., refy lb. .06 - .07⅛
l.c.l., dlvd. lb. .08¼- —
tanks, refy lb. .04¾- .05⅝
extra, amber, dms., c.l., refy lb. .05 - .05⅞
l.c.l., dlvd. lb. .06¾- —
tanks, refy lb. .03¾- .04⅛
USP, white, lily, dms., c.l., refy. lb. .06¾- .07⅛
l.c.l., dlvd lb. .08⅝- —
tanks, refy lb. .05½- .06
soft, dms., c.l., refy lb. .06⅝- .07¾
l.c.l., dlvd. lb. .08¼- —
tanks, ref'y lb. .05⅜- —
snow, dms., c.l., refy lb. .06⅞- .08
l.c.l. dlvd. lb. .09¼- —
tanks, refy lb. .05⅝- .06½
yellow, soft, dms., c.l., refy lb. .05 - .05⅞
l.c.l., dlvd. lb. .06⅝- —
tanks, ref'y lb. .05⅜- —
Petroleum, crude, bulk, at wells, California bbl. 1.10 2.99
Illinois bbl. 2.44 2.87
Kentucky bbl. 2.42 2.83
Louisiana-Arkansas bbl. 2.08 2.90

Petroleum, crude, bulk, at wells, Montana bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania lower field bbl. 3.82 - —
Upper field bbl. 4.25 - —
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.39 - 2.93
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.33 - 2.65
Wyoming bbl. 1.28 - 2.875
Fuel oil, bunker C, No. 6, California, heavy, tanks, refinery bbl. 1.95 - 2.15
light, tanks, refinery bbl. 2.00 - 2.25
eastern, tanks, Albany, N. Y. bbls. 2.45 - —
Baltimore, Md. bbl. 2.10 - —
Boston, Mass. bbl. 2.15 - —
Charleston, S. C. bbl. 2.00 - —
Jacksonville, Fla. bbl. 1.97 - —
N. Y. Harbor bbl. 2.10 - —
Norfolk, Va. bbl. 2.05 - —
Philadelphia, Pa. bbl. 2.10 - —
Portland, Me. bbl. 2.15 - —
Providence, R. I. bbl. 2.12 - —
Savannah, Ga. bbl. 2.00 - —
Diesel, tanks, refinery, California gal. .0825- .115
Pennsylvania gal. .0925- .1025
Furnace, tanks, refinery, Arkansas, No. 2 gal. .08375- —
No. 3 gal. .08 - —
N. Y. Harbor, No. 2 gal. .0975- —
group 3, No. 1 gal. .08125- .0875
No. 1, straw gal. .09 .09375
No. 2, straw gal. .07625- .08125
range gal. .0875- —
Pennsylvania, western, No. 1. gal. .1075- .1135
No. 2 gal. .105 - .112
No. 3 gal. .105 - .112
Lacquer diluent, California, 170-225 F., b.r., tanks, ex tax, f.o.b. Los Angeles gal. .167 - .207
East coast, tanks, N. J. and N. Y refinery gal. .18 - —
group 3, benzol-type, tanks, refinery gal. .13125- .13625
toluol-type, tanks, refinery gal. .12125- .12375
Mineral spirits, regular, California, tanks, ex tax, f.o.b. San Francisco gal. .147 - .157
East coast, tanks N.J., N.Y. gal. .16 - —
Group 3, tanks gal. .10875- —
tankwagon, Baltimore gal. .175 - —
Boston gal. .18 - —
Buffalo gal. .185 - —
Newark gal. .17 - —
New York gal. .165 - .17
Philadelphia gal. .165 - —
Pittsburgh gal. .19 - —
Providence gal. .185 - —
Rochester gal. .20 - —
Syracuse gal. .21 - —
Washington, D. C. gal. .195 - —
specially refined, tanks, f.o.b. Watson, Calif. gal. .228 - —
f.o.b. Bordertown, Tex., gal. .24 - —
f.o.b. Houston, Texas, gal. .24 - —
f.o.b. Wood River, Ill. gal. .2625- —
tank transport, f.o.b. Carteret, N. J. gal. .336 - —
tankwagon, N. Y. and N. J. gal. .37 - —
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery gal. .16 - —
Group 3 tanks gal. .11875- —
tankwagon, Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .165 - —
high flash, 140°, group 3, refinery tanks gal. .134 - .1425
high-solvency, 200-235 b.r. 37-38° C., mixed anilin pt., tanks, refinery or East Coast gal. .25½- —
25-26° C., m.a.p., tanks, same basis gal. .24 - .30⅛
270-370 b.r., 78-81°C., m.a.p., tanks, same basis gal. .29 - —
49°C, m.a.p., tanks, same basis gal. .32 - —
26-27 C., m.a.p. tanks, same basis gal. .24 - .33
300-400 b.r., 28°-32° C., m.a.p., tanks, same basis gal. .24 - .30⅛
340-410 b.r., 36° C., m.a.p., tanks, same basis gal. .24 - —
32° C., m.a.p., tanks, same basis gal. .24 - .30⅛
27° C., m.a.p., tanks, same basis gal. .34½- —
350-425 b.r., 32° C., m.a.p., tanks, same basis gal. .30⅛- .51⅛
V.M.&P., tanks, refy, California, 245-360 b.r., Los Angeles. gal. .152 - —
Portland, Ore. gal. .158 - —
San Francisco gal. .157 - —
Seattle, Wash gal. .158 - —
East coast, N. J., N. Y., tanks gal. .17 - —
Group 3, tanks gal. .11875- —
tankwagon, Boston gal. .195 - —
Newark gal. .185 - —
New York gal. .185 - —
Philadelphia gal. .180 - —
Pittsburgh gal .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .157 - —
East coast, N. J., N. Y gal. .17 - —
Group 3, tanks gal. .11875- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .197
East coast, N. J., N. Y., tanks gal. .16 - —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tanks. gal. .17 - —
tankwagon, Boston gal. .18 - —
Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .165 - .17
Pittsburgh gal. .19 - —
Syracuse gal. .21 - —
Sulphonate, oil soluble, 70%, sulphonic content, non-ret. dms., c.l., works lb. .2040- —
l.c.l., works lb. .2065- —
tanks, works lb. .1850- —
60-62% sulphonic content, non-ret. dms., works lb. .175 - .20
l.c.l., works lb. .185 - .202
tanks, works lb. .145 - .185
50-55% sulphonic content, non-ret. dms., works lb. .155 - —
l.c.l., works lb. .165 - —
tanks, works lb. .125 - —
Phenobarbital, USP, dms., 100 lbs lb. 4.50 - 4.70
Phenobarbital-sodium, USP, dms lb. 4.50 - 4.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies. lb. .19 - —
l.c.l., same basis lb. .19¾- —
tanks, same basis lb. .17¼- —
82-84% (cresol 16-18%), dms., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19¾- —
tanks, same basis lb. .17¼- —
39° or above, tar distilled, dms., c.l., same basis lb. .19½- .20
l.c.l., same basis lb. .20¼- .21¾
tanks, same basis lb. .17¼- .19¼
USP, synthetic, dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21¾- —
tanks, same basis lb. .19¼- —

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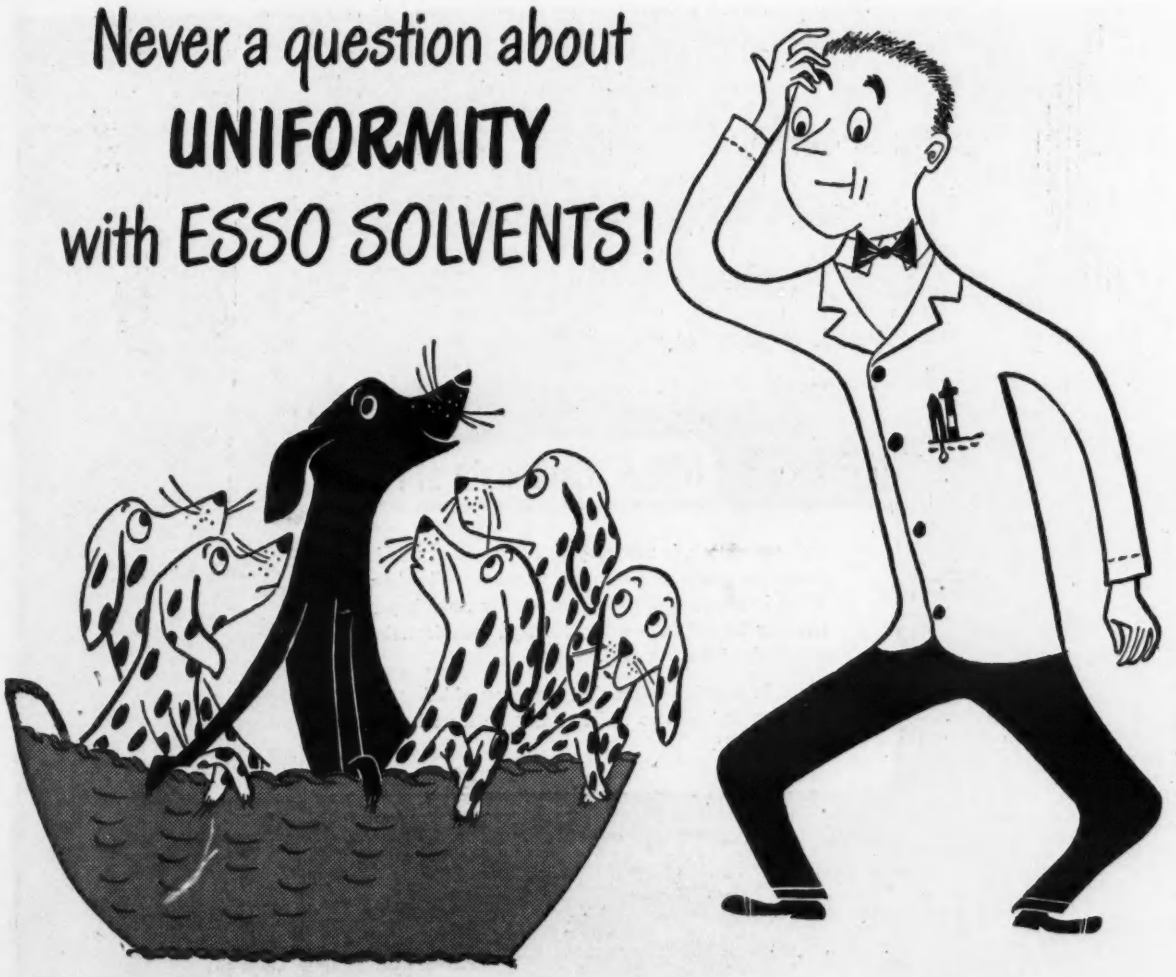

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- **SOLVENCY** — Esso aliphatics and Solvesso aromatics cover both high and low solvency ranges.
- **MODERN HANDLING METHODS** — separate tank storage, pumping lines, tank cars and trucks, are used in all Esso Solvent handling operations. Prompt, efficient delivery to your door is assured.
- **MULTI-STORAGE AVAILABILITY** — Water terminals in industrial centers.

Controlled high quality helps produce larger profits with versatile, dependable Esso Solvents.

Esso PETROLEUM SOLVENTS

SOLD IN Me., N. H., Vt., Mass., R. I., Conn., N. Y., N. J., Pa., Del., Md., D. C., Va., W. Va., N. C., S. C., Tenn., Ark., La.

ESSO STANDARD OIL COMPANY — Boston, Mass. — New York, N. Y. — Elizabeth, N. J. Philadelphia, Pa. — Baltimore, Md. — Richmond, Va. — Charleston, West Va. — Charlotte, N. C. Columbia, S. C.—Memphis, Tenn.—New Orleans, La.

FOR TECHNICAL ASSISTANCE

If you have a solvents problem or want further information on the specifications and characteristics of Esso Solvents—write or call our office nearest you. Our technicians will be glad to assist you.

Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .50 - —
over 2,100 lbs., same basis lb. .52 - —
less than 2,100 lbs., same basis. lb. .54 - —
Phenyl acetate, dms., 100 lb. lots. works lb. .50 - —
Salicylate (see Salol)
Phenylacetaldehyde solution, 50%, bots lb. 2.40 - 2.70
100%, bots lb. 4.00 - 4.65
Phenylacetamide 125-lb. dms., works. lb. 1.10 - —
smaller dms., works lb. 1.15 - 1.10
Phenylalamine dextro-laevo, dms., works lb. 27.00 - 37.50
Phenylcarbethoxy pyrazolone, 250-lb. fib. dms., divd. E lb. 3.60 - —
less than 250-lb. dms. divd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., frt. alld lb. .40 - —
l.c.l., frt. alld lb. .36 - .41
Phenylethanolamine, dms., c.l., works lb. .69½ - —
l.c.l., same basis lb. .70 - —
Phenylethyl acetate, dms lb. 1.20 - 1.57
Phenylethylphenyl acetate, bots lb. 4.05 - 4.50
Phenylhydrazin base, CP, bots lb 3.00 3.07
Hydrochloride commercial, kgs., works lb 1.75 - —
CP, bots., works lb 5.12 - —
Phenylmethylpyrarolone, (see Methylphenylpyrazolone)
Phloroglucinol, comi., fib. dms., works lb. 6.40 —
C.P., bots. fib. dms lb 16.00 -17.75
tech., fib., dms works lb 10.45 —
Phosgene, 150-lb cyls., works lb. .27½ —
Phosphate defluorinated (see under D)
Phosphate rock Curacao, Atlantic ports ton. 45.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton 5.00 - —
75%-74% b.p.l., c.l., same basis long ton 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
Finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines short ton 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c per long ton higher.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous cs., lb. .46 - .47
dms. lb. .44 - .45
yellow, cns. lb. .30 - .37
dms., c.l lb. .26 —
Oxychloride, dms., c.l., works lb. .13 - .14
l.c.l., dms., works lb. .15 - .16
tankcars, works 100 lbs. .11½ - —
Pentasulphide, solid, dms., c.l., works lb. .11½ - —
l.c.l., dms works lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .26 - .29
dms., export lb. .33½ .36
Trichloride, dms., c.l., works lb. .13 - .14
l.c.l., works lb. .15 .18
tankcars works 100 lbs. .11½ - —
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks same basis lb. .21½ - —
Bbls., ½c. per pound higher
Phthalimide, 97%-98%, dms. works, frt. alld lb. .65 - —
Phthalylsulphacetamide, fiber dms., lb. 5.00 - 5.50
Pichi leaves, bgs lb. .16 .17
Picoline (See Alpha, Beta and Gamma Picoline)
Pilocarpine hydrochloride, NF, bots oz. 5.25 6.22
Nitrate, USP bots, vials oz. 5.10 6.20
Pimento, Guatemala, bgs lb. .20 .20½
Jamaica, bgs. lb. .28 - .28½
Mexican, bgs lb. .15½ - .16
Pinetar, retort, dms., incl. c.l., works lb. .0511 - —
l.c.l., same basis lb. .0568 - —
whse. lb. .0678 - —
Pinkroot, bls lb. 2.50 - 2.55
Piperazine hexahydrate bots., French Codex kilo 8.00 8.50
Piperidine, 95%, dms. frt. equald. lb. 1.65 - 1.93
98% dms., same basis lb. 1.75 - 2.60
Piperonyl butoxide, dms., divd. E lb 5.00 5.30
Pycnonene, dms., divd. E lb 4.20 - 4.50
Pipsissawa herb (see Prince's pine)
Pitch, burgundy, domestic, dms., mc. c.l., l.c.l., works 100 lbs. 9.80 - 10.25
Coaltar, 140° 150° F., m.p., bbls., c.l., works ton 38.00 - 39.00
l.c.l., works ton. 41.00 —
Cottonseed, dms., works lb. .07½ .08
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms lb .06½ - .07
Petroleum (see Asphalt, petroleum).
Pine, dms., inc. l.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works lb. .05½ .06
Tall, dms., works lb. .05½ .06
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 90.00 - 93.00
Pleurisy root, bls lb .45 .50
Podophyllum resin, NF, dms lb 13.20 - 14.00
Pokeroot, bls lb. .22 - .23
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 .50
Tristearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld. lb. .35½ - .3[illegible]
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis. lb. .36½ - —
standard, bgs lb. .35½ .36
crystals, heat-resistant, bgs., c.l., l.c.l lb. .34 34½
standard, bgs., c.l., l.c.l lb. .32½ .33
Polystyrene in non-returnable fiber dms. ½c. per lb higher.
Pomegranate root, bark, bgs lb 60 63
Poppy flowers, bgs lb. 1.20 - 1.25
Seed, Argentine, bgs lb. .13 Nom.
Czech, bgs. lb. .15½ Nom.
Dutch, bgs lb. .17½ - .18
Polish, bgs. lb. .15½ Nom.
Turkish, bgs. lb. .14 - .14½

Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
l.c.l., works 100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works. 100 lbs. 4.625 - —
l.c.l., works 100 lbs. 5.125 - —
tanks, works 100 lbs. 4.30 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.40 - —
l.c.l., works 100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l. same basis 100 lbs. 4.63 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92% dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works 100 lbs. 8.65 - —
Potassium abietate, dms., works lb. .25 - .28
Acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms. lb. .24 - —
Bichromate, bgs., c.l., works lb. .14½ - —
l.c.l., same basis lb. .14¾ - .15½
Potassium bichromate in drums ¾c. higher.
Bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more. lb. .50 - .52
25-200-lb. lots lb. .55 - .57
Bromide, USP, gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms lb. .16½ - .18
powd., bbls., dms lb. .21 - .23

Phenolphthalein—Potassium Silicate, Solution, Tech., 32.5° Be.

Potassium chlorate, cryst., dms., c.l., works lb. .09¾ - —
l.c.l., works lb. .10 - .11
powd., dms., c.l., works lb. .10¼ - —
l.c.l., works lb. .10¾ - .11¾
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms lb. .33 - .33
Chloride, USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd., dms lb. .24 - .26
Chromate, tech., bgs lb. .32 - .36
Citrate, USP, gran. dms lb. .37½ - .38½
powder dms lb. .40½ - .41½
Cyanide, dms, over 500 lbs., works, lb. .55 - —
under 500 lbs., works lb. .57 - —
Fluoborate, fib. dms., c.l., works. lb. .26 - —
l.c.l., works lb. .27 - —
Fluoride, dms., works lb. .24 - —
Gluconate, dms lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb dms 1 to 100 dms lb. .28½ - .33
Hypophosphite, NF, ton lots or less, fib. dms lb. 1.00 - 1.03
Iodide, dms lb. 2.15 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 —
Metabisulphite gran., dms lb. .20 - .21
powd., dms. lb. .25 —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .42 - .43
Trona, Cal unit-ton. .53 - —
50-51% K_2O, paper bgs., Carlsbad, N. M ton. 25.75 - —

Potassium nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., rms lb. .30 - .32
Pentoborate, gran., bgs., c.l., works ton. 184.00 - —
ton lots, bbls., ex whse ton. 261.00 - —
less ton lots, bbls., ex whse. ton. 266.00 —
Powdered Potassium pentoborate, $10.25 per ton higher
Perchlorate dms. c.l. works lb. .14 —
l.c.l., works lb. 14¼ .15½
Permanganate, tech., dms., works. lb. .22½ .23¼
USP dms. works lb. .24¾ .39¼
Persulphate, dms., c.l., works lb. .18 - .19
l.c.l., works lb. .20 .22
Phosphate tetrabasic bbls. works. lb. 16½ .18½
Prussiate red, kgs lb. 60 .63
yellow, dms. ton lots lb. .22½ —
smaller quantities lb 23 —
kegs lb 28 —
Silicate, glass, bgs., c.l., works 100 lbs. 14.70 - —
l.c.l. 100 lbs 15.20 - —
solution, clarified, 29° Be, 1 to 2.5 dms., c.l., works 100 lbs. 5.50 - 5.65
l.c.l., 5 dms. or more, works 100 lbs. 6.25 - 6.65
tanks, works 100 lbs. 5.15 - 5.30
tech., 29° Be, 11:2.5, dms., c.l., works 100 lbs. 4.85 - —
l.c.l., dms., works 100 lbs. 5.35 - —
tanks, works 100 lbs. 4.50 - —
32.5° Be., dms., c.l., works. 100 lbs. 4.95 - —
l.c.l. works 100 lbs. 5.45 - —
tanks, works 100 lbs. 4.60 - —

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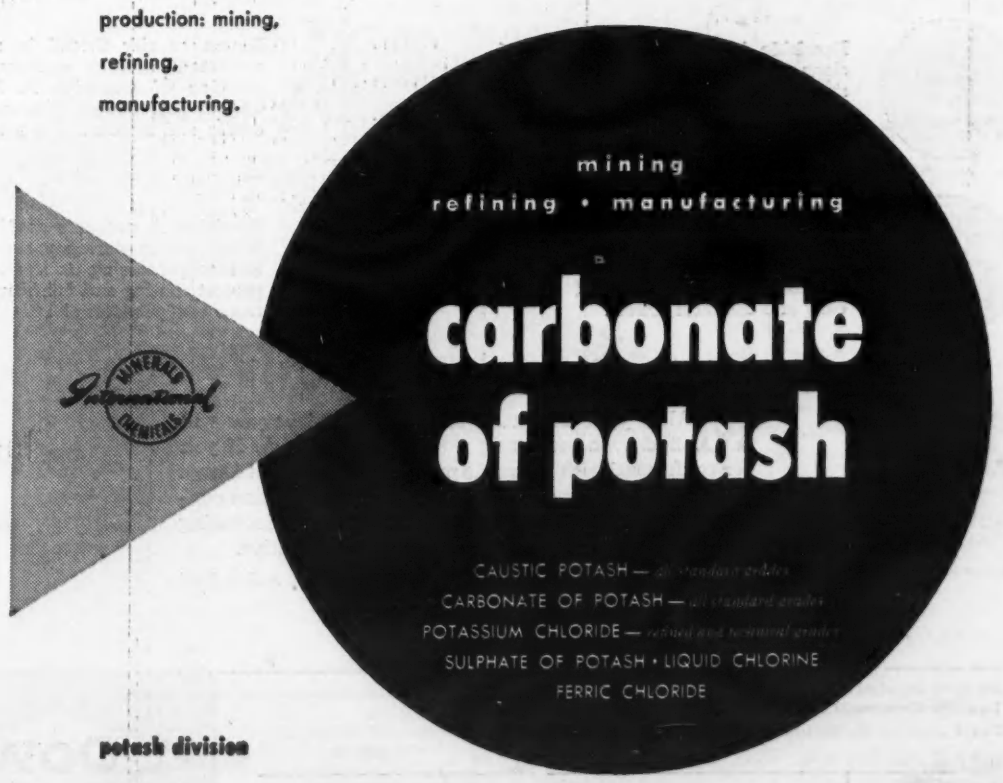
You'll Get Prompt Delivery

When you depend on *International* for your supplies of carbonate of potash, you'll get prompt deliveries. The tonnages you need. The purity and uniformity, the grade, density and particle size you must have for the production of fine glass, chemicals, pharmaceuticals, textiles and other products. You can depend on *International* because of its effective control of all stages of production: mining, refining, manufacturing.

LIQUID—47 to 48% K_2CO_3. Available in 675 lb. drums and tank cars.
HYDRATED—83 to 85% K_2CO_3. Available in 100 lb. bags and 400 lb. barrels.
CALCINED—99 to 100% K_2CO_3. Available in 100 lb. bags and 325 lb. barrels, and bulk in minimum carloads.



potash division

INTERNATIONAL MINERALS & CHEMICAL CORPORATION

Address all inquiries to Industrial Sales Dept., Potash Division • General Offices: 20 North Wacker Drive, Chicago 6 • 61 Broadway, New York 6

Potassium Silicate, Solution, Tech., 40.5° Be.—Red Toluidin Toner

Potassium silicate, solution, tech., 40.5° Be., 1 to 2.0, dms., c.l., works	100 lbs.	5.45	- 6.70
l.c.l., 5 dms., works	100 lbs.	5.95	- 7.85
tanks, works	100 lbs.	5.10	- 6.35
Silicofluoride, bbls., works	lb.	.09½	- .10
Stannate, dms., frt. alld. E.	lb.	.740	- .796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%	ton.	36.25	- —
NF VII, cryst., dms	lb.	.31	- .33
gran., dms.	lb.	.18½	- —
powder, dms.	lb.	.19	- —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)			
Thiocyanate, NF, cryst., dms.	lb.	.82	- 1.08
tech., works	lb.	77	- 79
Titanate, ctns., c.l., works	lb.	.12½	- —
5-ton lots, works	lb.	.12¾	- —
1-ton lot or less, works	lb.	.13	- —
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO	ton.	16.00	- —
Potassium-sodium tartrate (see Rochelle salt).			
Potassium-titanium fluoride, fib. dms., works	lb.	.35	- .36
Oxalate, bbls., dms.	lb.	.85	- .95
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	- —
l.c.l., works	lb.	.52½	- .55
Pregnenolone, bots	gm.	1.50	- —
Acetate bots	gm.	1.25	- —
Prickly ash bark, bls.	lb.	.55	Nom.
Berries, bgs.	lb.	70	- 75
Prince's pine herb, bls.	lb.	.60	- .61
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works	lb.	3.40	- 3.75
spot	lb.	3.40	- 3.75
Progesterone, USP, 100 gms., bots.	gm.	1.75	- —
Propane, commercial grade, tanks, group 3	gal.	.04	- —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract	lb.	.60	- —
Propyl acetate, normal, dms., c.l., dlvd	lb.	.125	- —
l.c.l., dlvd	lb.	.135	- —
tanks, dlvd	lb.	.1075	- —
Aldehyde (see Propionaldehyde).			
Gallate, dms., 2,000 to 100 lb. lots, works	lb.	3.90	- 4.40
Parahydroxybenzoate, USP, dms	lb.	2.20	- 2.40
Propylene dichloride, dms., c.l., dlvd. E.	lb.	.0845	- .095
l.c.l., same basis	lb.	.0950	- .1050
tanks, same basis	lb.	.07	- .08
Oxide, dms., c.l., dlvd. E	lb.	.19½	- .20½
l.c.l., dlvd. E	lb.	.20½	- .21½
tanks, dlvd. E.	lb.	.17½	- .18½
Propyleneglycol, industrial, dms., c.l., dlvd. E	lb.	.19¼	- .21¼
l.c.l., same basis	lb.	.20¼	- .22¼
tanks, same basis	lb.	.17½	- .18½
USP, dms., c.l., dlvd. E	lb.	.20¼	- .21½
l.c.l., same basis	lb.	.21¼	- .22¼
tanks, same basis	lb.	.18½	- .19½
Methylether, dms., c.l., dlvd. E	lb.	.20	- —
l.c.l., same basis	lb.	.21	- —
tanks, same basis	lb.	.18½	- —
Propylthiouracil, bots., 50-kilo lots or more	kilo.	55.00	- —
smaller lots	kilo.	55.10	-55.30
Psyllium seed, black, bgs.	lb.	.27	- .30
blonde, bgs.	lb.	.19	- .20
husks, bgs.	lb.	.50	- .51
Pulsatilla herb, bls.	lb.	.52	- .53
Pumice, com. grd., coarse to fine, 0¼, 1, 1½, 2, 3 bgs., ton lots.	lb.	.03½	- .04¼
smaller, lots	lb.	.03⅞	- .04½
Italian, silk-screen, coarse, bags, ton lots	lb.	.06½	- —
fine, bgs., ton lots	lb.	.04	- —
sun dried, coarse, bgs. ton lots	lb.	.02½	- .04
fine, bgs., ton lots	lb.	.02½	- .04
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed bgs	lb.	.18	- .20
Pyrethrin, synthetic (see Allethrin).			
Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works	lb.	.50	- —
powder, 1.3% pyrethrins, bbls., works	lb.	.71½	- —
liquid (20 to 1) basis 2 grams pyrethrins per 100cc. odorless basis, bbls., works	gal.	9.75	-10.50
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works	gal.	15.75	- —
oleoresin dewaxed, 20%, for aerosol bombs, dms., works	lb.	11.00	-12.00
Pyridin, denaturing, dms., c.l., works and frt. equald	gal.	2.67	- —
l.c.l., same basis	gal.	2.70	- —
refd., 2° non-ret. dms., c.l., same basis	lb.	99¼	- 1.04¼
l.c.l., same basis	lb.	.90	- 1.05
Pyridoxine hydrochloride, 100-gram. bots gram.		.55	- —
Pyrites	long-ton.	No prices.	
Pyrocatechol (see Catechol).			
Pyrogallol, NF	lb.	3.25	- 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines	ton.	13.00	-13.50
No. 3, 200 mesh, bulk, c.l., mines.	ton.	11.00	- —
rubber grade, 140 mesh, bgs., c.l., mines	ton.	11.50	-12.00
standard, 200 mesh, bulk, c.l., mines	ton.	12.50	- —
230 mesh, bulk, c.l., mines.	ton.	13.50	- —
325 mesh, bulk, c.l., mines.	ton.	16.75	- —

Standard and No. 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra.

Pyroxylin, USP, bots	lb.	9.59	- —
Scrap, opaque, amber, cs., works,	lb.	.15	- —
black, cs., works	lb.	.12	- —
mixed mottled, cs., works	lb.	.11	- —
white, china ivory, cs., works,	lb.	.12	- —
dense cs., works	lb.	.12	- —
translucent, pastels, cs., works,	lb.	.14	- —
transparent, colorless, cs., works	lb.	.20	- —
colors, cs., works	lb.	.14	- —
shavings, opaque, amber, cs., works	lb.	.12	- —
mixed, colors, cs. works	lb.	.12	- —

Q

Quebracho extract, clarified, grd., 70% tannin, bgs., c.l.,	lb.	.16¼	- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis	lb.	.08¼	- —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra	lb.	.12½	- —
ordinary, 63% tannin, bgs., c.l., same basis	lb.	.11 31/64	—

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs	lb.	.25	- .26
Quercitron extract, crystals, No. 1, bbls., l.c.l.	lb.	.40	- —
liquid, No. 1, bbls., l.c.l.	lb.	.19	- —
Quicksilver flasks (76 lbs. net)	flask	195.00	-196.00
Quince seed, bgs	lb.	.80	1.50
Quinidine, NF, V cryst., cns., 100-oz. lots	oz.	1.90	- —
powd., precip., cns., 100-oz. lots	oz.	1.85	- —
Sulphate, USP, cns., 100-oz. lots	oz.	1.00	- —
Quinine, NF, cns., 100-oz. lots	oz.	.70	- —
Bisulphate, USP cns., 100-oz. lots	oz.	.51	- —
Dihydrochloride, USP, cns	oz.	.70	- .72
Ethylcarbonate, NF, cns., 100-oz. lots	oz.	.75	- —
Hydrobromide, NF, cns. 50-oz. cns.	oz.	.63	- —
Hydrochloride, USP, cns., 100-oz. lots	oz.	.63	- —
Phosphate, NF cns., 100-oz. lots	oz.	.76	- —
Salicylate, NF cns., 100-oz. lots	oz.	.68	- —
Sulphate, USP, cns., 100-oz. lots	oz.	.56½	- —
Quinine and Urea hydrochloride, NF, cans	oz.	.68	- —
Quinolin, ret. dms., c.l., frt. equald.	lb.	.50¾	- —
l.c.l., same basis	lb.	.51¾	- —
tanks, same basis	lb.	.50	- —

R

R salt, paste, basis, 100%, dms., frt. alld.	lb.	.83	- —
powd., basis, 100%, frt. alld.	lb.	.68	- —
Raspberries, dried, bbls	lb.	1.20	- 1.25
Red, BON, arylid, deep shades, bbls.	lb.	3.60	- —
light medium shades, bbls.	lb.	2.75	- —
maroons, pure, bbls	lb.	1.75	- —
resinated, bbls	lb.	1.50	- —
Cadmium, CP, dark shade, bbls., frt. alld. E. of rockies	lb.	4.30	- —
light shade, same basis	lb.	4.00	- —
medium shade, bbls., same basis	lb.	4.25	- —
medium-light shade, bbls, same basis	lb.	4.05	- —
orange shade, bbls., same basis	lb.	NP	- —
lithopone, deep shade, bbls., same basis	lb.	1.76	- —
light shade, bbls., same basis,	lb.	1.61	- —
maroon shade, bbls., same basis	lb.	1.85	- —
medium shade, bbls., same basis	lb.	1.71	- —
medium-light shade, bbls., same basis	lb.	1.66	- —
orange-red shade, bbls., same basis	lb.	1.57	- —

Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco.

Carmine No. 40 (see Carmine).			
Crocus martis (see Red, maroon iron oxide).			
Dyes (see Dyes, coaltar).			
Eosin toner, bbls., works	lb.	1.60	- —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y	lb.	.12½	- —
Iron oxide, pure, 98% ferric oxide, bgs., c.l., works	lb.	.12¼	- —
l.c.l., works	lb.	.12½	- —
natural 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis	lb.	.05¾	- —
Lake C, toner, alizarin, bbls., works	lb.	1.10	- 1.20
Lithol, toner, bbls., works	lb.	76	- —
rubin, toner, pure bbls., works	lb.	1.50	- —
resinated, bbls., works	lb.	1.40	- —
Virginia-type, bbls., works	lb.	1.40	- —
Maroon toner, BON, arylid, dlvd	lb.	3.60	5.90
Cadmium, deep, bbls., works,	lb.	1.20	- —
regular, bbls., works	lb.	1.10	- —
MNPT toner, kgs., works	lb.	3.60	- —
Maroons in smaller pkgs 5c. per lb. higher.			
Mercury oxide, tech., bbls., 10,000 lbs, works	lb.	4.22	—
smaller lots, works	lb	4.24	—
Metallic, bbls., c.l., works	lb.	.02½	- —
l.c.l., works	lb.	.02¾	- —
Oxide (see Red, iron oxide)			
Persian gulf bgs., c.l., works	lb.	.06¾	- —
l.c.l., works	lb.	.07	- —
Para toner, bbls	lb.	.83	- —
Chlorinated, kgs	lb.	1.10	1.15
Phloxin toner (see Red eosin toner).			
Rhodamine, molybdated, PMA., kegs	lb.	4.90	—
tungstated, PTMA, works, kegs,	lb	6.35	- —
Spanish, oxide, bbls., c.l., ex dock	lb.	.05¾	- —
l.c.l., ex dock	lb.	.06	- —
ex whse., New York	lb.	.06½	- —
Toluidin toner, deep shades, kgs., works	lb.	1.40	- —
light shades, kgs., works	lb.	1.40	- —

* most any product in most any industry can be made better with DOWICIDE "A"

Dowicide® A is water soluble and is, therefore, easily added to water extended adhesive solutions giving them protection from decomposition caused by mold and bacterial attacks.

Dowicide A is used effectively to disinfect contaminated walls before the application of a mold resistant paint. Water extensible paints are preserved with Dowicide A.

Dowicide A is used to disinfect buildings, egg storage rooms, and poultry feeding stations. When used in the wax emulsion coating, it protects citrus fruits from blue mold and stem-end rot.

In the paper industry, Dowicide A is used to protect paper sizing and coating solutions from mold and bacterial attack, both during use and storage.

Dowicide A protects soluble oil emulsions from bacterial decomposition and the accompanying unpleasant odors, emulsion breakdown, and the clogging of screens.

Rayon or silk thread in storage is protected against mildew by the addition of Dowicide A. It is also used to preserve protein, animal glue, casein and starch sizing solutions.

Water solutions of Dowicide A are used as disinfectants and germicides in public buildings and homes, and as a deodorant in and around garbage cans and chemical toilets.

Dowicide A prevents mold and bacterial growth during many stages of leather processing. It is also used to protect coating and finishing materials from costly bacterial attacks.

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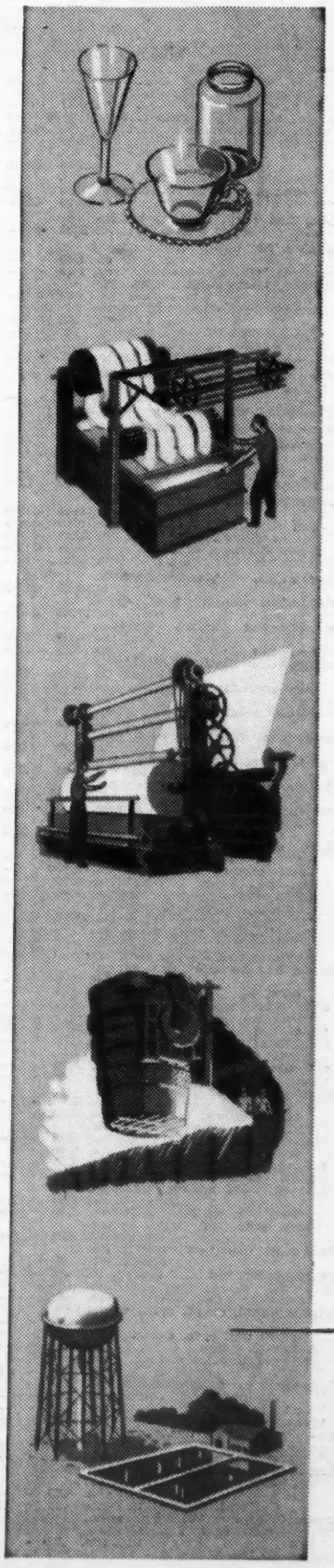
Red, turkey, bbls., works lb. .14½- —
Tuscan, bbls. frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .0375
20%, bgs., works lb. .04 - —
25%, bgs., works lb. .0450- —
30%, bgs, works lb. .0475- —
35%, bgs., works lb. .05 - —
40%, bgs. works lb. .0525- —
Vermillion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 3.57 - —
Watchung-type, bbls. lb. 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib. dms lb. 4.37 - 4.41
Red saunders, NF, powd., bbls lb. .35 - —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works lb. .82½- —
l.c.l., works lb. .83½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate, NF, dms. lb. 3.25 - 3.45
Rhatany root, bgs lb. .15 - .16
Rhodinol, 5-lb. cans lb. 40.00 -56.00
Rhubarb root, China, whole, cs. lb. .85 - .86
powd., bbls lb. .95 - .96
India, whole, bgs lb. .35 - .36
powdered, bbls lb. .40 - .44
Riboflavin, USP, bots., dlvd kilo. 125.00 - —
readily soluble, bots., dlvd kilo. 125.00 - —
Rice bran, concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., c.l. lb. .32½- —
5,000-lb. lots, dms., c.l. lb. .32½- —
smaller lots lb. .33½- .38½
Rose flowers, pale, bls lb. .45 Nom.
Rosemary flowers, bls lb. .95 - .96
Leaves, French, bls. lb. .10 - .10½
Portuguese, bls. lb. .07 - .07½
Spanish, bls lb. .08½- .09
Rosin, gum and wood (see Naval Stores, Protective Coatings market).
Rotenone, CP, bbls., works lb. 20.00 - —
tech., bbls. works lb. 16.50 - —
Rottenstone (see Tripoli)
Rue herb, bls lb. .35 - .40
Rutin, NF, 25-kilo lots, fib. dms. kilo. 27.50 -40.00
10 to 25-kilo lots, fib. dms. kilo. 28.50 -40.00
1 to 10-kilo lots, fib. dms. kilo. 30.00 -40.00
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .70 - —
activated, ground with lime, bbls lb. .41 - .42
Saccharin, USP, gran., soluble, dms., 1000-lb. lots lb. 1.60 - —
smaller lots lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 - —
smaller lots lb. 1.75 - 1.95
Saffower, Egyptian, ols lb. .60 - .65
Saffron, Mexican, bls lb. .95 - .96
Spanish, USP, tins lb. 22.00 -23.00
Safrol, dms lb. .72 - 1.35
Sage, Cretan, bls lb. .11½- —
Cyprus, bls lb. .09 - .09½
Dalmatian, bls lb. .46 - .47
Greek, bls. lb. .10½- .12½
Officinalis, Italian, bls lb. .20 - .21
Spanish, stemless, bls. lb. .12 - .13
Syrian, bls lb. .10½- .12½
Turkish, bls lb. .12 - .12½
Sago flour, raw, bgs lb. .07¼- .07¾
refined, bgs. lb. .08½- .09
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs lb. 1.05 - —
fib. dms lb. 1.07 - 1.08
Powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l., works, 100 lbs. .63 - —
l.c.l. 100 lbs. 1.09 - —
Table, vacuum, common, fine, paper bgs. c.l., works 100 lbs. .77 - —
l.c.l., works 100 lbs. 1.12½- —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 17.00 - —
Saltpeter, cryst., bbls., 10-ton lots, 100 lbs. 14.40 - —
smaller lots 100 lbs 14.65 -14.90
powd., bbls., 20-ton lots 100 lbs. 10.75 - —
smaller lots 100 lbs. 12.00 -12.50
gran., bbls., 20-ton lots 100 lbs. 9.75 - —
smaller lots 100 lbs. 11.10 -11.50
NF, gran., dms lb. 09¾- .17¾
Saltpeter in bags, 50c. per 100 lbs. less; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, dom., dms., cryst., powd., cns lb. 110.00 -120.00
imported, cryst., powd., cns lb. 112.50 - —
Saponin, No. 1, 100-lb. dm lb. 2.75 - —
Sarsaparilla root, dom., bls lb. .45 - .50
Honduras, bls lb. .38 - .40
Mexican, bls lb. .22 - .25
Sassafras bark, ord., bls lb. .44 - .45
select, bls lb. .55 - .56
Savory, French, bls lb. .15½- .16
Spanish, bls lb. .14 - .16
Saw palmetto berries, bgs lb. .32 - .38
Scammony resin, lump, cns lb. 1.95 - 2.20
powd., cns lb. 2.05 - 2.30
Root, bgs lb. .11 - .13
Schaeffers salt, paste, dms., frt. alld. lb. .77 - —
powder, bgs., frt. alld lb. .80 - —
Scopolamine hydrobromide, bots. oz. 14.00 -15.00
Hydrochloride USP, bots oz. 84.00 - —
Seidlitz mixture, bbls., 5,000 lbs lb. 30½- —
smaller lots lb. .31 - .32
Selenium, powd. dms., dlvd lb. 3.25 - —
Senega root, bls lb. 2.35 - 2.40
Senna leaf, Alex., half-leaf, bls. lb. .22 - .23
sifting, bgs. lb. .18 - .19
Tinnevelly, No. 1, bls lb. .20 - .21
No. 2, bls lb. .18 - .19
No. 3, bls lb. .14 - .15
powdered, bls., bxs lb. .17 - .18
Pods, bls. lb. .35 - —
Serpentaria root, bls lb. 4.90 - —
Sesame seed, Nicaragua, hulled, bgs. lb. .21½- .25
natural, bgs lb. .13¾- .14
Turkish, bgs lb. .15 - .15½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46 - —
bbls., 1,500-lb. lots lb. .47 - —
kgs., 1,500-lb. lots lb. .49 - —
refined, bgs., 1,500-lb. lots lb. .56 - —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .59 - —
Bonedry shellac prices for less than 1,500-lb. lots, 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .32 - .34
No. 2, bgs lb. .29 - .32
Superfine, bgs., 10-bg. lots lb. .28 - .30
TN, bgs., 10-bg. lots lb. .25 - .27
Shellac in 1 to 9 bgs., 1c. more.
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., lil., works ton. 25.00 - —
l.c.l., works ton. 30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 -30.00
140 mesh, bgs., c.l., works ton. 15.00 - —
l.c.l., works ton. 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works lb. .20 - .20½

Silver bullion, ingots, cs oz. .83¼- —
Cyanide, fib. dms., 2,500-oz. lots oz. .75½- —
1,000-oz. lots oz. .76½- —
500-oz. lots oz. .76¾- —
100-oz. lots oz. .76½- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .53½- —
1,000-oz. lots oz. .54½- —
500-oz. lots oz. .55½- —
250-oz. lots oz. .55½- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.03 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Simaruba bark, bls lb. .90 Nom.
Skullcap herb, Eastern, bls lb. .50 .65
Western, bls lb. .30 .35
Skunk cabbage root, bls lb. .60 - —
Slate flour, bgs., c.l., works ton. 7.55 -13.00
l.c.l., ex whse ton. 19.85 -27.35
Sloe berries, bgs lb. .24 .28
Smalt, black, ctns lb. .15 - —
Blue, ctns lb. .18 - —
Snakeroot, Canada bls lb. .75 - .80
Soapbark, bls. lb. .28 - .30
crushed, bls., bbls lb. .33 - .34
powd., bbls lb. .35 - .37
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.60 - —
l.c.l. stock points 100 lbs. 2.85 4.62
bbls., c.l., works 100 lbs. 2.15 - —
l.c.l. stock points 100 lbs. 3.35 4.12
bulk, c.l., works 100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l. stock points 100 lbs. 2.75 4.52
bbls., c.l., works 100 lbs. 2.05 - —
l.c.l. stock points 100 lbs. 3.25 5.02
bulk, c.l., works 100 lbs. 1.20 - —
Soda, caustic, flake, powd., 76%, c.l., works 100 lbs. 3.75 - —
l.c.l. stock points 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.55 - —
50%, rayon-type tanks, works, dry basis 100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.65 - —
rayon type, tanks, works, dry basis 100 lbs. 2.75 - —
solid, 76%, dms., c.l., works 100 lbs. 3.35 - —
l.c.l., stock points 100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.70 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
l.c.l., dms lb. .12¾- —
NF, 60%, dms., works lb. .08½- —
Alginate, refined, water-soluble, bbls., works lb. .83 - —
semi-refined, bbls., works lb. .54 - —
NF, white, powd., dms., ton lots, works lb. 1.40 - —
smaller lots lb. 1.55 - 1.65
Antimoniate, bbls., c.l., dlvd. E. lb. .30 - —
l.c.l., dlvd. lb. .31½- —
Arsenate, dms., c.l., works lb. .12¼- —
l.c.l., dms., works lb. .13¾- .14¼
Arsenite, dms., c.l., works lb. .13½ —
l.c.l., dms works lb. .14¼ .15¼
solution, dms., works gal. .70 1.10
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .37½ .39
USP, bbls., dms., 100 lbs. or more lb. .44½ .46
Sodium, bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
l.c.l., works 100 lbs 3.15 - —
powd., bgs., c.l., works 100 lbs 2.10 - —
l.c.l., works 100 lbs 2.75 - —
Bichromate, bgs., c.l., works lb .11 - —
l.c.l., same basis lb. .11¼- .12
Bifluoride, bbls., c.l., works, frt. equald lb. .1375- —
l.c.l., same basis lb. .1415- —
Bisulphate, bulk, c.l., works, 100 lbs 2.00 - —
dms., c.l., works 100 lbs 2.65 3.85
l.c.l., works 100 lbs 3.05 3.65
Bisulphite, anhyd., bgs., c.l., works, 100 lbs. 4.05 - —
l.c.l., works 100 lbs. 4.30 - —
solut. 35° bbls., c.l., works, 100 lbs 1.40 - —
l.c.l., works 100 lbs 1.80 - —
Borate (see Borax)
Bromide, USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, jars, dms lb 8.52 - —
Carbonate, anhydrous (see Soda ash) crystalline, decahydrated (see Soda sal), monohydrated bgs, c.l. works 100 lbs 2.65 - —
l.c.l., works 100 lbs 3.05 - —
Chlorate, cryst., dms., c.l. works lb. 08¼- —
l.c.l., works lb 08¾- 09¼
Chloride, tech (see Salt).
USP, dms lb 05 - .12
Chlorite, tech, dms., works lb. 58 - .73
Chloroacetate, tech., dms., c.l., works lb. .24 - —
l.c.l., works lb. .25 - .28
Chromate, dms., c.l., works lb. .12¾- —
l.c.l. same basis lb. .13 - .13¼



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Monochlorobenzene
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TECHNICAL LITERATURE AVAILABLE

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BULLETIN

No. 5—Soda Ash
No. 6—Caustic Soda
No. 7—Liquid Chlorine
No. 8—Alkalies and Chlorine in the Treatment of Municipal and Industrial Water
No. 9—Analysis of Alkalies
No. 11—Water Analysis
No. 12—The Analysis of Liquid Chlorine and Bleach
No. 14—Chlorine Bleach Solutions
No. 16—Calcium Chloride

Sodium Citrate—Toluene

Sodium citrate, anhyd., dms....lb. .60 - .65
USP VIII, gran., dms.....lb. .22½- .29½
USP XIV, gran., dms.....lb. .29 - .32
Sodium citrate USP powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots., works lb. .85 - 1.10
smaller lots, works.....lb. 1.00 - 1.25
Cyanide, flake, 96-98% dms., c.l., or 20,000-lb. lots lb. .168 - —
over 1,000 lbs.....lb. .178 - —
100-lb. to 1,000-lb. lots lb. .188 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l., dms lb. .14¾- —
anhydrous, dms., c.l., works lb. .17 - —
l.c.l.....lb. .17¾- —
Fluoride, white, 90%, bbls., c.l., works lb. .11 - —
l.c.l., works.....lb. .1140- —
95%, bbls., c.l., works.....lb. .1125- —
l.c.l., works.....lb. .1165- —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
Formate, bgs., c.l., dlvd....100 lbs. 7.10 - —
l.c.l.....100 lbs 8.15 - 8.45
Gentisate, 100-lb. fib dms.....lb. 8.50 - —
Gluconate, technical, bgs.....lb. .35 - —
refined technical, dms.....lb. .80 - .83
Glutamate, monobasic, dms., c.l lb. 1.67 - 1.69
smaller lots, dlvd.....lb. 1.68 - —
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls.....lb. 1.85 - 2.00
solution, 75%, cbys.....lb. 1.06 - 1.21
Hydride, dms., works.....lb. 2.40 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .24½- —
l.c.l., frt. alld.....lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb dms., 1 to 100 dms lb. .18½- .23
Hypophosphite, NF, dms, ton lots or less lb. .95 - .98
Hyposulphite, photo grade, bgs., c.l., works...100 lbs. 4.00 - 4.25
l.c.l., same basis....100 lbs. 4.65 - 7.15
pea crystals, bgs.....100 lbs. 4.50 - —
gran., bgs., c.l., works.100 lbs 5.00 - —
tech., bgs., c.l., works...100 lbs. 4.00 - —
l.c.l., works.....100 lbs. 4.40 - 6.90
Sodium, hyposulphite crystals in bbls. 50c. higher.
NF (see Sodium thiosulphate)
Iodide, USP, bots., dms.....lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms cbys. works lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., dlvd. lb. .25 - —
l.c.l., dlvd.....lb. .26 - —
tanks, dlvd.....lb. .23 - —
Metabisulphite, see sodium bisulphite
Metaborate, octahydrate, gran., bgs., c.l. works ton.78.50 - —
l.c.l., ex whse.....ton.124.50 -129.50
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
tetrahydrate, c.l., bbls., works. ton.199.50 - —
Metal, tanks, works.....lb. .16 - —
bricks dms works.....lb. .17 - .19
Metanilate, bbls., frt. alld.....lb. .62 - —
Metasilicate, annyd., bgs., c.l., works 100 lbs. 4.70 - —
l.c.l., works.....100 lbs. 4.95 - 5.45
dms., c.l.....100 lbs. 5.10 - —
l.c.l.....100 lbs. 5.30 - 5.55
Pentahydrate, bgs., c.l., works. 100 lbs. 3.80 - —
l.c.l., bgs., works....100 lbs. 4.15 - 4.55
dms., c.l., works.....100 lbs. 4.20 - —
l.c.l., works.....100 lbs. 4.55 - 4.95
Molybdate, crystals, bbls., works lb. .75 - .85
powd., anhy. dms. works lb. 1.05 - 1.08
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls.....lb. .70 - —
Nitrate, crude, bgs., c.l., works. ton.51.00 - —
bulk, c.l., works.....ton.47.50 - —
tmp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse ton.57.00 - —
bulk c.l., same basis ton.53.50 - —
Nitrite, bbls., c.l., works, frt. equald.....lb. .07¼- —
l.c.l., same basis.....lb. .08¾- —
USP, gran., dms.....lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.50 - —
Oxalate, neut., bgs., works lb. .104 - —
Para-aminobenzoate, dms., 1,000-lb. lots or more lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.40
Para-aminosalicylate, dms., 1,000-lb. lots., frt adjusted. lb. 4.00 - —
smaller lots, same basis....lb. 4.05 - 4.50
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald.lb. .25½- —
l.c.l., same basis.....lb. 26½- .28½
pellets, bgs., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
powd., bgs., c.l., same basis..lb. .34 - —
l.c.l., same basis.....lb. .25 - .37
Pentachlorophenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices
Perborate, USP, tech., bbls., c.l., works..lb. .193 - —
l.c.l., works.....lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .1860- —
l.c.l., same basis.....lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms lb. .44 - .45
powd., dms.....lb. .47 - .48
Phosphate, diabasic, anhyd., bgs., c.l., works...100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works lb. .19 - .20½
duohydrate, bgs., c.l., works. 100 lbs. 6.65 - —
l.c.l., works.....100 lbs. 7.05 - —
monobasic, anhyd., bgs., c.l., works 100 lbs. 8.05 - 8.50
l.c.l., works.....100 lbs. 8.45 - 8.70
tribasic, cryst., bgs., c.l., works, frt. equald 100 lbs. 4.05 - 5.30
l.c.l., same basis 100 lbs. 4.45 - 8.20
Sodium phosphates in bbls. 40c. higher than bgs.
Prussiate, yellow, bgs., 10-ton lots. lb. .13½- —
smaller lots.....lb. .14 - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald...100 lbs.16.00 -10.75
ferric, dms., 1,500-lb. lots, works lb. .30 - —
smaller lots, works.....lb. .31 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald..100 lbs. 7.50 - —
l.c.l., frt. equald..100 lbs. 7.90 - —
Sodium salicylate, USP, dms....lb. .63 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd., zone 1....100 lbs. 3.85 - 4.25
zone 2.....100 lbs. 4.11 - 4.51
zone 3.....100 lbs. 4.40 - 4.70
zone 4.....100 lbs. 5.11 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me. N. H., and Vt., in which there are special county zones: Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn., Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 98° Kan. Neb. W. of 98° N. D., Okla., S. D., Tex., W of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah. Wyo. and El Paso, Tex.
bbls., c.l., works 100 lbs. 2.45 - —
Sesquisilacate, anhy., dms., c.l., works 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 7.00 - —
hydrated bgs., c.l., works 100 lbs. 4.25 - —
l.c.l., bgs., works..100 lbs. 4.60 - 5.00
Silicate, liquid, 40° 1 to 3.2, turbid., dms., c.l., works 100 lbs. 1.25 - —
l.c.l., works..100 lbs. 1.60 - 2.00
tanks, works.....100 lbs. .90 - .95
47° turbid., 1 to 2.9, dms., c.l., works 100 lbs. 1.80 -1.90
l.c.l., dms., works 100 lbs. 2.15 - 2.55
tanks, works.....100 lbs. 1.45 - 1.55
52°, turbid., 1 to 2.4, dms., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.45 - 2.85
tanks, works.....100 lbs. 1.75 - —
solid, bgs., works ton.52.50 -55.00
Silicofluoride, bgs., c.l., works..lb. .070 - —
l.c.l., works lb. .075 - .075
Stannate, dms., works, frt. alld. E lb. .660 - .716
Stearate tech., dms., works lb. .43 - .44
USP, dms., works lb. .70 - .75
Sulphanilate, bbls., works.....lb. .22 - —
Sulphate, NF, VII, dried, gran., dms lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.25 - —
l.c.l., works, same basis. 100 lbs. 2.50 - 3.00
cryst. (see Glauber's salt)
rayon grd., bgs., c.l., works. ton.27.00 - —
l.c.l., works.....ton.33.00 - —
USP, cryst., fib. dms.....lb. .17½- .18
gran., fib. dms.....lb. .17½- .18
Sulphide, flake, bbls., c.l., works, E., frt. equald.....ton.100.00 - —
l.c.l., same basis.....ton.106.00 - —
fused, bbls., c.l., works, E. frt. equald.....ton.88.50 - —
l.c.l., same basis.....ton.98.50 - —
Sulphite anhyd., bgs., c.l., works. 100 lbs. 2.73 - —
l.c.l., same basis 100 lbs. 2.32 - 5.58
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 - —
l.c.l., same basis 100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls.....lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l. ton.115.00 - —
l.c.l., works ton.125.00 - —
liquid 34-40%, 100% basis, tanks, works ton100.00 -117.60
Tetraborate (see Borax).
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03¼- —
l.c.l., works lb. .03¾- —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5 tons, works lb. .10¾- —
1 ton or less, works lb. .11 - —
Trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld., E lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald...100 lbs. 7.85 - —
l.c.l., same basis.....100 lbs. 8.25 - —
Trisilicate, powd., 1:3.2, bgs., c.l., works..100 lbs. 7.75 - —
l.c.l., works.....100 lbs. 8.50 - 8.90
dms., c.l., works.....100 lbs. 8.15 - —
l.c.l., works.....100 lbs. 8.90 - 9.30
Tristearate fib. dms., 20,000 lbs. works lb. .33 - —
10,000 to 20,000 lbs., works lb. .33 - —
smaller lots, works lb. .39 - .40
Tungstate, tech., kgs., dlvd. E lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchopnen (see Cinchophen-sodium).
Sodium-formaldehyde sulphoxylate, c.l., dms., dlvd..lb. .25½- —
l.c.l., same basis lb. .26 - —
Sodium sulphs, druos (see Sulpha names).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less than 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, refined, tanks, works gal. .31 - .32
high-flash, tanks, works gal. .31 - .32
petroleum, 100°F., tanks, Baytown, Tex gal. .31 - —
Bayonne gal. .35 - —
150°F., flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works.....lb. .37 - .39
Sorbitol, cryst. pellets, dms., c.l., works lb. .30 - —
ton-lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works.....lb. .24¼- —
ton lots, works.....lb. .25 - —
less ton lots, works...lb. .25¼- —
tanks, works.....lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works. lb. .16 - —
ton lots, works.....lb. .16¾- —
less ton lots, works...lb. .17 - —
tanks, works.....lb. .15 - —
Soybean meal, 41% bulk, Decatur. ton.76.00 -77.00
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .23½- —
20,000 to 40,000 lbs., same basis lb. .23¾- —
100 to 20,000 lbs., same basis..lb. .24¼- —
Soybean meal protein, mechanically refined, bgs., 40,000 lbs., same basis..lb. .0605- —
20,000 lbs., same basis....lb. .0620- —
smaller lots same basis..lb. .0635- —
Sparteine sulphate, cns.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls.....lb. .45 - .46
Spruce extract liq. reg., tanks, works..lb. .01¾- —
powd. super bgs., c.l., works. lb. .05½- —
l.c.l., works.....lb. .05¾- —
Squaw vine leaves, bls.....lb. .45 - .46
Squill red fortified powd., bbls. boxes lb. 1.60 - —
white, bls.....lb. .12 - .15
powd., bbls., bxs.....lb. .18 - .21
St. John's bread edible, bls.....lb. .10 - .13
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y..100 lbs. 7.14 - —
l.c.l.....100 lbs. 7.29 - —
powd., paper bgs., c.l..100 lbs. 7.26 - —
l.c.l.....100 lbs. 7.32 - —
Prices for corn starch in cotton bags 25c. per 100 lbs. higher.
Potato, dom., Idaho, bgs., c.l., works..lb. .08½ Nom.
Maine, bgs., c.l., works....lb. No stocks.
l.c.l., spot.....lb. .11 - .12
imported, bgs, l.c.l.....lb. .09½- .10½
Rice, l.c.l., bgs.....lb. .15 - .17
Wheat, bgs.....lb. .0675- .0710
Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .30 - .31
Stoneroot, bls.....lb. .07¼- .08
Storax, USP, cs.....lb. 1.25 - —
Stramonium leaves, bgs.....lb. .16 - .18
Streptomycin, either hydrochloride or sulphate, bulk..gram. .24 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, 92%, dms.....lb. .23 - —
Chloride, tech., bbls.....lb. .24 - .26
Chromate, bbls., works.....lb. .46 - —
Iodide jars, 25-lb. lots.....lb. 3.37 - —
Nitrate, bbls., cs. works.....lb. .10¼- .11
Oxalate, bbls., works.....lb. No prices.
Salicylate, NF dms.....lb. 1.65 - —
Sulphate, air floated, 90%, 325 mesh bgs., works ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms., works lb 2.80 - 2.85
Strophanthin, NF, bots.....oz.25.00 -25.50
Strophanthus seed, Komba, biologically tested, bgs..lb. 3.25 - —
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs.....oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works.....lb. .23¼- —
tanks, works.....lb. .21 - —
Styrolyl acetate, bots.....lb. 1.47 - 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms.....lb. 4.00 - 4.50
Sodium, dms.....lb. 4.10 - 4.60
Sulphacetamide, fiber dms.....lb. 4.00 - 4.20
Sodium, fib. dms.....lb. 5.00 - 5.20
Sulphadiazin, USP, microcrystals, dms lb.10.60 -11.10
powder, dms.....lb.10.25 -10.75
Sulphadiazin-sodium, USP, dms lb.11.25 -11.75
micro crystals, dms.....lb.10.60 -11.10
Sulphaguanidin, USP, dms.....lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals. lb.10.65 -11.15
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms.....lb. 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms.....lb. 1.70 - 1.90
powder, dms.....lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 6.50 - 6.75
Sulphapyridin, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms lb. 7.50 - 8.00
Sulphathiazole, USP, micro crystals, dms..lb. 2.15 - 2.30
powder, dms.....lb. 2.80 - 2.95
Sulphathiazole-sodium, USP, dms., lb. 2.80 - 2.95
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.03 - —
bbls., mines.....100 lbs. 2.20 - —
lump, bgs., mines.....100 lbs. 1.70 - —
bbls., mines.....100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract. long ton.21.00 -22.00
f.o.b. vessels, Gulf ports, export long ton.25.00 -27.50
domestic and Canada long ton.22.50 -23.50
refined, flowers, USP, bgs., mines. 100 lbs. 2.60 - —
bbls.....100 lbs. 4.75 - —
flour, light, bgs., mines 100 lbs. 3.35 - —
bbls., mines.....100 lbs. 4.25 - —
lump, bgs., mines.....100 lbs. 2.90 - —
rolls, bgs., mines.....100 lbs. 3.35 - —
bbls., mines.....100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines 100 lbs. 3.05 - —
rubbermakers, com'l, regular bgs., mines..100 lbs. 2.25 - —
bbls., mines 100 lbs. 2.40 - —
96-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines.....100 lbs. 3.40 - —
refined, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls., mines.....100 lbs. 3.80 - —
10% pine tar, bgs., mines. 100 lbs. 3.65 - —
Dichloride, dms., c.l., works, frt. equald lb. .03½- —
washed, NF, bot.....lb. .11 - —
l.c.l., same basis.....lb. .04¼- —
tankcars, same basis.....lb. .03¼- —
Dioxide liquid, com'l, cyls., works lb. .09 - —
multi unit cars, works..lb. .0535- —
tanks, works.....lb. .045 - —
refrigeration, cyls., l.c.l., dlvd. lb. .20 - .36
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03½- —
l.c.l., same basis.....lb. .04¼- —
tanks, same basis.....lb. .03¼- —
Sumac leaf, 28%, bgs., ex-dock, short-ton.110.00 - —
ground, same basis.....ton.110.00 - —
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Baltc unit-ton. .86 - —
Carteret, N. J. unit-ton. .86 - .88
triple, 45% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .81 - —
Sweet basil, California, bgs.....lb. 1.05 - 1.10
imported, bgs.....lb. .60 - .61

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2,4,5-T, dms., c.l., works.....lb. 1.60 - —
l.c.l., works.....lb. 1.65 - —
Isopropyl ester dms. c.l., works. lb. 1.70 - —
l.c.l., works.....lb. 1.75 - —
Talc, dom., ordinary, Calif., grd., bgs., c.l., works ton.25.00 -35.00
Vermont off color, grd., bgs., c.l., works ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works ton.25.00 -30.00
l.c.l.....ton.28.00 -35.00
99.5%, 325 mesh, bgs., c.l., works ton.27.00 - —
l.c.l., works....ton.30.00 -32.00
99.95%, micronized, bgs., works, ton.36.00 - —
imp. Canadian, grd., bgs., c.l., mines..ton.15.25 -35.00
Tallow, edible, tanks, dlvd.....lb. .08 - —
inedible, extra.....lb. .05¾- —
fancy.....lb. .05¾- —
No. 1.....lb. .04¾- —
special.....lb. .05 - —
sulphonated, 25%, dms., l.c.l.lb. .06½- .07
50%, dms., c.l.....lb. .09½- .10
Tamarind, W.I., bbls.....lb. .11 - .12
Tankage, animal, feeding, 9-11% ammo, bulk..unit-ton. 7.50 - —
Chicago.....unit-ton. 8.50 - —
Tansy leaves bls.....lb. .25 - .30
Tapioca flour, high grade, ex whse., bgs..lb. .14 - .15
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .50 - —
l.c.l., same basis.....gal. .52 - —
tanks, same basis.....gal. .40 - —
25-28%, dms., c.l., same basis. gal. .56½- —
l.c.l., same basis....gal. .58½- —
tanks, same basis.....gal. .46½- —
50-53%, dms., c.l., same basis. gal. .72½- —
l.c.l., same basis.....gal. .74½- —
tanks, same basis.....gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs.....lb. .45 - .50
Leaves, bgs.....lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 - .59
dms.....lb. .57 - .60
USP, powd., bbls., dms., kgs lb. .61 - .62
Terpin hydrate com'l bbls., c.l lb. .24½- —
l.c.l.....lb. .25 - .25½
NF, cryst., fib. dms.....lb. .70 - .80
powd., fib. dms.....lb. .75 - .85
Terpineol, alpha (see A).
commercial, dms., c.l., South lb. .13½- —
l.c.l., South.....lb. .14 - —
extra, dms.....lb. .48 - .50
prime, dms.....lb. .36 - .43
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l. works.....lb. .25½- —
tanks, works.....lb. .22 - —
Terpinyl acetate, extra, cns., dms.lb. .55 - .70
prime, dms.....lb. .55 - .60
Propionate, dms.....lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 1.90 - —
Propionate, USP, 100 gms., bots. gm. 1.90 - —
Tetrachloroethane, dms., works..lb. .12½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works.....lb. .20½- .21½
smaller, dms., works.....lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works lb. .71 - —
l.c.l.....lb. .72 - —
Pyrophosphate, 40%, cns., dms., dlvd lb. .714 - —
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½- —
l.c.l., dlvd. E.....lb. .58½- —
tanks, dlvd E.....lb. .56 - —
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thalium metal, dlvd.....lb.12.50 -15.00
Sulphate, 99%, bots., dlvd....lb.10.50 -13.00
Theobromine, fib. dms.....lb. 3.75 - —
Salicylate, fib. dms.....lb. 4.25 - —
Sodio-salicylate, fib. dms.....lb. 3.10 - 3.15
With sodium acetate, USP, dms.lb. 3.80 - 3.85
Theophylline, anhydrous or USP, 100-lb. dms..lb. 4.40 - 4.45
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms..kilo.160.00 - —
Mononitrate, USP, fib. dms. kilo.160.00 - —
Thiocarbanilide, dms.....lb. .44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works.....lb. 1.99¾- —
l.c.l., same basis.....lb. 2.00 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works.lb. .43½- —
l.c.l., works.....lb. .45½- —
Thorium nitrate, cs, works.....lb. 3.60 - —
Threonine dextro laevo, bots., 1-kilo lots..kilo.600.00 - —
Thyme, French, bgs.....lb. .20 - .21
Spanish, bls.....lb. .08 - .08½
Thymol, fib. dms.....lb. 3.25 - 3.30
Iodide, NF, dms.....lb. 6.80 - —
Timbo root (see Cube root).
Tin chloride, stannous, anhyd., dms. works lb. .98½- .99½
Crystals, hydrous, bgs., bbls., works lb. .80¾- —
Metal.....lb. 1.21½- —
Oxide, dms.....lb. 1.23 - 1.24
Sulphate, stannous, bbls.....lb. 1.09 - 1.11
Tetrachloride, anhyd., dms., works. lb. .89 - .90
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd.lb. .21 - .21½
l.c.l., dlvd.....lb. .22 - .22½
regular, bgs., c.l., dlvd..lb. .21 - .21½
l.c.l., dlvd.....lb. .22 - .22½
ceramic, bgs., c.l., dlvd.....lb. .21 - .21½
l.c.l., dlvd.....lb. .22 - .22½
metallurgical, natural granular, bgs., c.l., f.o.b. Jacksonville, Fla. ton.110.00 - —
c.l., Niagara Falls, N. Y. ton.127.50 - —
5 tons, same basis ton.132.50 - —
ton lots, same basis ton.137.50 - —
(Affilied, $7.50 per ton higher.)
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 - .23½
l.c.l., dlvd. E.....lb. .24 - .24½
Hydride, cns., works.....lb. 7.95 - 9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .08 - .08½
Titanium dioxide and pigment in bbls., ¼c. higher, Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.
Tetrachloride, tech., dms., c.l., works..lb. .45½- —
l.c.l., works.....lb. .48½- .56½
tankcars, works.....lb. .44½- —
Tolidin base, distilled, kgs.....lb. 1.30 - —
Tolu balsam, cns., dms.....lb. 3.85 - 4.85
Toluene (see Toluol).

Choose Your Solvent FROM THIS Sovasol Chart

Commercial Name	Rubber Solvent	Lacquer Diluent		V.M. & P. Naphtha		Premium V.M.&P.	Mineral Spirits						Paint Retarder	
		Fast	Standard				Fast Drying	Stoddard Solvent			Odor-less	Safety Dry Cleaner		
Sovasol No.	1	2	3	V.M. & P.[1] Naphtha	V.M. & P.[2] Naphtha	4	80	5	5[1]	5[2]	35	140	6	6[2]
Volatility														
Distillation IBP, °F.....	115	150	197	211	215	250	293	315	306	308	340	365	375	362
10%, °F.....	145	157	204	240	236	260	284	323	319	317	352	375	391	382
50%, °F.....	185	163	212	265	250	274	308	335	333	328	358	381	412	404
90%, °F.....	220	175	224	293	274	287	315	355	355	348	376	387	441	445
Dry Point, °F.....	...	191	240	...	...	297	325	...	...	...	385	400	...	...
End Point, °F.....	250	...	...	318	316	...	...	381	383	380	...	...	462	465
Safety														
Flash Point, TCC, °F.....	...	...	...	...	...	60	92	103	101	103	120	144	145	146
Solvent Power.....														
Aniline Point, °F.....	123	123	109	129	131	102	138	115	134	135	184	147	139	150
Kauri Butanol No.....	38	39	45	38	38	46	34	41	38	38	26	32	34	31
Weight														
Gravity, °API.....	66.5	67.0	57.0	55.5	58.0	50.5	53.0	46.5	49.0	50.5	55.5	47.0	42.0	45.5
Gravity, Specific, 60/60°F.	.7146	.7128	.7507	.7567	.7467	.7775	.7669	.7949	.7839	.7775	.7567	.7927	.8155	.7994
Gravity, lbs/gal 60°F.....	5.95	5.93	6.25	6.30	6.22	6.47	6.39	6.62	6.53	6.47	6.30	6.60	6.79	6.66
Purity.....	All Sovasols are water white in color or better and pass all pertinent stability and copper corrosion tests. They have good odor, are doctor sweet and are color stable.													

(1) Available from Buffalo, N. Y. refinery only.
(2) Available from Paulsboro, N. J refinery only.

Uniform, Balanced Line Meets Your Most Exacting Needs

All Socony-Vacuum solvents give you uniform high-quality performance. They all have controlled evaporation rates, and are completely compatible with higher or lower boiling point products, so as to produce a smooth drying rate without flat spots. They're manufactured by straight-run overhead distillation and considered to be non-toxic by reputable industrial hygienists. Get full details from your nearest Socony-Vacuum office. Performance tells the story.

SOCONY-VACUUM

SOCONY-VACUUM Oil Company, Incorporated

26 BROADWAY, NEW YORK 4, NEW YORK

Toluol, Coaltar—Wax, Bees

Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .32 - —
Birmingham dist gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist gal. .32¾ - —
Geneva, Utah gal. .36 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex gal. .35 - —
Lorain, Ohio gal. .31 - —
Minequa, Colo gal. .32 - —
Philadelphia Pa gal. .33½ - —
Pittsburgh dist gal. .30 - —
Sparrow's Point, Md gal. .32 - —
Syracuse, N. Y. gal. .30½ - —
Terre Haute Ind gal. .33½ - —
Wyandotte, Mich gal. .34¼ - —
Youngstown, Ohio gal. .30½ - —

Petroleum, industrial, 2° tanks, works:—
Albany, N. Y. gal. .33 - —
Bayonne, N. J. gal. .33 - —
Baytown, Tex gal. .31 - —
Chicago, Ill gal. .33 - —
Detroit, Mich. gal. .33 - —
Philadelphia, Pa. gal. .33 - —
Providence, R. I. gal. .33 - —
Wood River, Ill gal. .33 - —

Tonga, 50% bark and vine, bls lb. .60 - .65
Tonka beans, Angostura cks lb. 1.75 - 1.80
Brazilian, Surinam, cs lb. 1.10 - 1.25
Totaquine, 100-oz lots, cns oz. .42 - —
Toxaphene, dms, c.l., works lb. .23 - —
truckloads, works lb. .25 - —
ton to truckloads, works lb. .26 - —
less than ton lots, works lb. .29 - —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .42¾ - —
l.c.l., same basis lb. .43¾ - .45½
tanks, same basis lb. .41 - —
Tributyl citrate, tech., dms., c.l. lb. .40½ - —
l.c.l. lb. .41½ - —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .51¾ - .63½
l.c.l., same basis lb. .52¾ - .64½
tanks lb. .50 - —
Tributylamine, dms., c.l., works, lb. .73½ - —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzene dms., c.l., works, frt. alld lb. .12½ - —
l.c.l., frt. alld lb. .13½ - —
tanks, frt. alld lb. .11 - —
Prices in the West 1¾c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .11½ - —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald lb. .11 - —
dlvd. E. lb. .12½ - —
l.c.l., works, frt. equald lb. .11½ - —
dlvd. E. lb. .13½ - —
tanks, works, frt. equald lb. .10 - —
dlvd. E. lb. .11 - —
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted. lb. 1.40 - 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd. lb. .34¾ - —
l.c.l., dlvd. lb. .35¾ - —
tanks, dlvd. lb. .33 - —
petroleum, dms., c.l., dlvd. lb. .34¾ - —
l.c.l., dlvd. lb. .35¾ - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E. lb. .26¼ - —
l.c.l., same basis lb. .27¼ - —
tanks, same basis lb. .24½ - —
Triethylamine dms., c.l., works, frt. alld. E. of Rockies lb. .45½ - —
l.c.l., same basis lb. .46½ - —
tanks, same basis lb. .43¾ - —
Triethyl citrate, tech., dms., c.l. lb. .37½ - —
l.c.l. lb. .38½ - —
tanks lb. .36 - —
Phosphate dms., works, c.l. lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., dlvd. E. lb. .23¼ - —
l.c.l., same basis lb. .24¼ - —
tanks, same basis lb. .21½ - —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½ - —
l.c.l., dlvd. E lb. .49½ - —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38¼ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works, lb. .36½ - —
l.c.l., same basis lb. .39½ - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .37 - —
l.c.l., frt. equald lb. .38 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air floated, bgs., c.l., works, lb. .02 - —
double grd., bgs., c.l., works lb. .0185 - —
single-grd., bgs., c.l., works lb. .0175 - —
Tripropyleneglycol, dms., c.l., frt. alld lb. .26¼ - —
l.c.l., frt. alld lb. .27¼ - —
tanks, frt. alld lb. .24½ - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:80 dms., works lb. 4.00 - 5.50
Tryptophane, dextro-laevo, fib. etns. works kilo.165.00 - —
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 7.75 - —
Turmeric root, Alleppey, bgs. lb. .11 - .12
Madras, bgs lb. .09½ - —
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. 1.00 - 1.10

U

Urethane, USP dms lb. 1.50 - —
Unicorn root, false (see Helonias root) True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs lb. 1.65 - —
Urea, dom., 46% N bgs., c.l., wks. lb. .05½ - —
l.c.l., works lb. .06 - —
44% N, bgs., c.l., 30 tons, frt alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.142.00 - —
l.c.l., dlvd ton.146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton.120.00 - —
C and D grades, tankcars, same basis ton.118.50 - —
37 grade, tankcars, same basis ton.147.50 - —
Uva ursi leaves, bls lb. .12 - .14

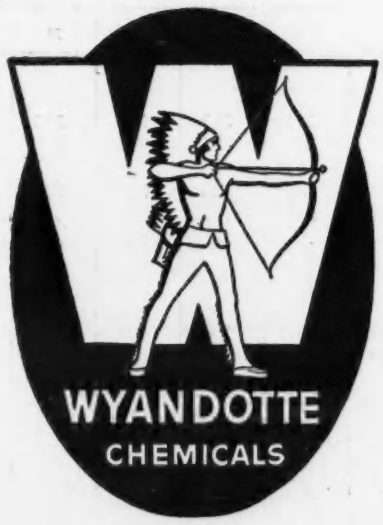
V

Valerian root, Belgian, NF, bls lb. .40 - .42
Valine dextro-laevo, dms., works lb. 21.00 - 27.50
Valonia, beards, 40-42% tannin, bgs., ex dock ton.86.00 - —
cups 28-30% tannin, bgs., ex dock. ton.67.00 - —
extract, powd., bgs., ex dock, duty extra lb. .09½ - —
Vanadium pentoxide, CP, bgs., cns, contract, works lb. 7.00 - —
tech., dms. works lb 1.28 - 1.33
Vanilla, beans, Bourbon, tins lb. 3.50 - 3.75
Mexican, cuts, tins lb. 3.50 - 3.75
whole, tins lb. 4.00 - 4.50
Tahiti cs lb. 3.00 - Nom.
Vanillin, ex eugenol, tins, 25 lbs lb. 6.75 - —
smaller lots lb. 6.90 - 7.25
ex guaiacol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25 lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate 55-gal. dms., c.l., works lb. .20¾ - —
l.c.l., works lb. .21¼ - —
tanks, works lb. .19¾ - —
Butylether normal, tech., dms., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether divinyl).
Ethylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
Pyridin, ret. dms., works lb. 1.65 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in natural vegetable oil, 400,000 to 1,000,000 D units per gm. bots., lots of 100 billion USP units, lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm 1,000,000 units. .17 - —
liquid, in oil, 1,000,000 A units per gm 1,000,000 units. .15 - —
natural, concentrates (see Oil, fishliver).
Palmitate, liquid, 1,000,000-1,800,000 A units per gm 1,000,000 units. .15 - —
in oil, 1,000,000 A units, per gm 1,000,000 units. .15 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12}, crystalline, gm. or 5 gm. vials gram.295.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity, gm.225.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gm. bots gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb. 1.80 - 1.85
tree bark, bls lb. .75 - .90
Warfarin, 0.5%, dms., 50 lb. lots, f.o.b. N. Y. or Chicago lb. 1.95 - —
25-49 lb. lots, same basis lb. 2.05 - —
5-24 lb. lots, cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.103.00 - —
merchantable, bgs., ex dock ton.99.00 - 100.00
Wattle extract, liquid 35% tannin, bbls., works lb. .10¾ - .11
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .11 - —
S. Africa, 62% tannin, ex-dock, duty extra lb. .11¼ - —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot lb. .55 Nom.
Bees, crude, African, bgs. lb. .47 - .48
Brazilian, bgs lb. .70 Nom.
Central American lb. .54 - .55
refined, bleached, USP, bricks, lb. .69 - .71
slabs lb. .67 - .69
yellow, bricks lb. .60 - .62
slabs lb. .58 - .60

P.S.*



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ORGANIC CHEMICALS: CHLORINATED SOLVENTS • ETHYLENE DICHLORIDE • PROPYLENE DICHLORIDE • GLYCOLS • DIGLYCOLS KREELON® (ALKYLARYLSULFONATE) • CARBOSE® (SODIUM CMC) • NAXONATE® (A HYDROTROPE) AGRICULTURAL INSECTICIDES • SYNTHETIC DETERGENTS • AROMATIC SULFONIC ACID DERIVATIVES PLURONICS® (100% ACTIVE AGENT NONIONIC DETERGENT)

INORGANIC CHEMICALS: SODA ASH • CAUSTIC SODA • BICARBONATE OF SODA • PURECAL® (CALCIUM CARBONATE) • CHLORINE HYDROGEN • DRY ICE • CALCIUM CHLORIDE

®Reg. U. S. Pat. Off.

Wax, candelilla, crude, bgs.....lb. .75 - .77
refined, bgs.....lb. .77 - .79

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots, lb. No stocks.
North Country, No. 2, bgs., ton lots..lb. No stocks.
No. 3, crude, bgs., ton lots.lb. .94 - .95
refined, bgs., ton lots....lb. .97 - .99
yellow, No. 1, bgs., ton lots..lb. 1.24 - 1.26
No. 2, bgs., ton lots.....lb. 1.22 - 1.24

Powdered carnauba price differentials same as powdered candelilla.

Esparto, African.....lb. .80 - .82
Japan, bgs.....lb. .23 - .25
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000, lbs. group 3, works lb. .13 - .14
Less than 20,000 lbs., same basis lb. .14 - .15
black, ctns., 20,000 lbs., same basis..lb. .11½- .12½
Less than 20,000 lbs., same basis lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
less than 20,000 lbs., same basis lb. .25 - .26
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
less than 20,000 lbs., same basis lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
less than 20,000 lbs lb. .15½- —
180°-185° m.p., ASTM, white, ctns., 20,000 lbs., same basis..lb. .27 - —
less than 20,000 lbs., same basis lb. .28 - —
190°195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis..lb. .20 - —
less than 20,000 lbs., same basis..lb. .20½- —
black, ctns., 20,000 lbs., same basis..lb. .18 - —
less than 20,000 lbs., same basis..lb. .18½- —
white, ctns., 20,000 lbs., same basis..lb. .33½- —
less than 20,000 lbs., same basis..lb. .34½- —
Montan, dom., refined, bgs.....lb. .31 - .32
German, crude, bgs.....lb. .12½- .13½
Ouricury, ref., bgs.....lb. .73 - .74
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .26 - .29
cakes, cs.....lb. .27 - .30
Sugar cane, crude, imp.....lb. .43 - —
ref., dom., works .....lb. .75 - .80
spot .....lb. .77¼- .82¼
White lead (see Lead., white).
White pine bark, rossed, bls....lb. .17 - .18
White precipitate, USP powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works .ton.16.00 -30.00
smaller lots, works.....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l. .....ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l. .....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls.....lb. .17 - .19
rossed, bls.....lb. .19 - .22
Ginger (see Snake root, Canada).
Indigo root, bls .....lb. .30 - .31
Yam root, bls.....lb. .16 - .17
Witch hazel leaves, bls.....lb. .19 - .20
Woodflour 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis .....ton.36.80 - —
60 mesh, bulk, c.l., same basis.ton.37.00 - —
l.c.l., same basis .....ton.42.00 -55 00
Woodflower, 80-100 mesh, bulk, c.l., same basis..ton.45.00 -50.00
l.c.l., same basis .....ton.51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs.....lb. .14 - .16
Levant, bgs .....lb. 4.25 - 4.50
Wormwood leaves, bls.....lb. .35 - .45

X

Xanthorrhiza root, bls .....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., l.c.l., works, frt. equald. lb. .25 - —
45°-47°C. dms. c.l., same basis, lb. .212 - —
l.c.l., same basis.....lb. .215 - —
tanks, same basis.....lb. .190 - —
fractions, over 7°C, b.r., except meta, dms., c.l., same basis, gal. 1.31 - —
l.c.l., same basis ..... gal. 1.34 - —
tanks, same basis ..... gal. 1.20 - —
meta fraction, over 7° C., dms., c.l, same basis..gal. 1.46 - —
l.c.l., same basis.....gal. 1.49 - —
tanks, same basis.....gal. 1.35 - —
Xylidins, mixed, dms.....lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa.....gal. .33 - —
Birmingham district...gal. .30¼- —
Chicago district.....gal. .33½- —
Cleveland district.....gal. .33 - —
Geneva, Utah.....gal. .25 - —
Hamilton, Ohio.....gal. .32 - —
Johnstown, Pa.....gal. .31 - —
Lackawanna, N. Y....gal. .33 - —
Lone Star, Tex.....gal. .35 - —
Lorain, Ohio.....gal. .31 - —
Minequa, Colo.....gal. .34 - —
Philadelphia, Pa.....gal. .33 - —
Pittsburgh district....gal. .30 - .33
Sparrows Point, Md...gal. .33 - —
Terre Haute, Ind.....gal. .35 - —
Wyandotte, Mich.....gal. .34¼- —
Youngstown, O.....gal. .30½- —
Petroleum, industl., tanks, Albany, N. Y...gal. .33 - —
Bayonne, N J.....gal. .33 - —
Baytown, Tex.....gal. .31 - —
Chicago, Ill.....gal. .33 - —
Philadelphia, Pa....gal. .33 - —
Providence, R. I.....gal. .33 - —
Wood River, Ill.....gal. .33 - —

Y

Yara yara, cns.....lb. 2.25 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms..lb. .47 - —
90 Int'l B units per gram, 100-lb. dms. lb. .52 - —
200 Int'l B units per gram, 100-lb. dms..lb. .56 - —
300 Int'l B units per gram, 100-lb. dms..lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .33 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, AAA, bbls., dlvd.....lb. 1.91 - —
AAOT, bbls.....lb. 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies..lb. 2.83 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies..lb. 1.20 - —

Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.

Yellow, chrome, CP, bbls., dlvd N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .31 - —

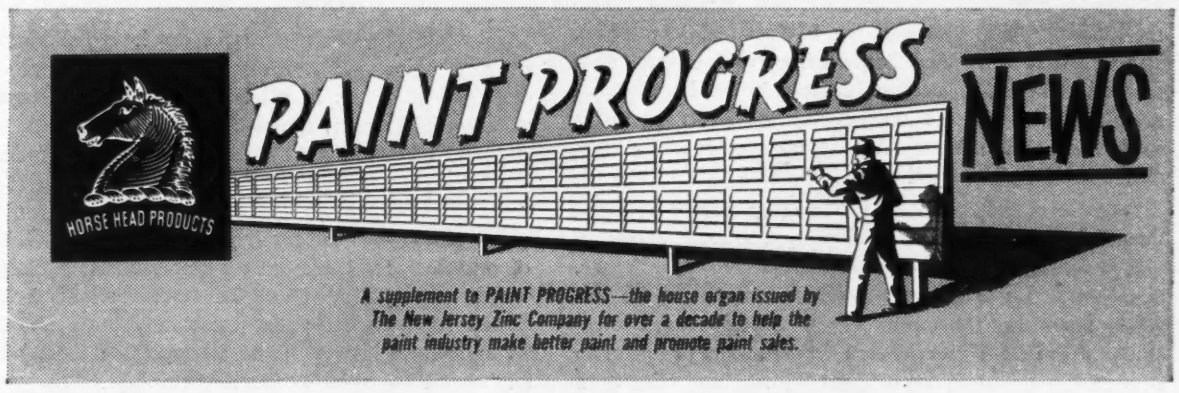
Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, 10 G, bbls., same basis as chrome..lb. 2.15 - —
G, pigment, bbls.....lb. 1.91 - —
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l...lb. .04½- —
l.c.l. .....lb. .04¾- —
Peruvian type, bgs., c.l...lb. .0165- —
pure, bgs., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .1025- —
Yellow, mercury oxide, bbls., 1,000-lb. lots..lb. 4.15 - —
smaller, lots .....lb. 4.17 - —
Ocher American golden, bgs., works lb. .01¼- .02¾
basic, dlvd. .....lb. .30 - —
Yellow dock root, bls.....lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls .....lb. .32 - .33
Yohimbine hydrochloride, bots., tins. oz. 4.73 - 5.23

Z

Zein, bgs., 30,000 lbs. lots, works lb. .38 - —
1,000-lb. to 30,000-lb. lots, works lb. .40 - —
smaller lots, works.....lb. .43 - —
Zinc acetate tech, bbls. dms, works. lb. .27 - —
NF VIII, dms.....lb. .53 - —
Borate, bgs., c.l., dlvd. E.....lb. .192 - —
l.c.l., dlvd. E.....lb. .202 - —
Carbonate, tech., rubbermakers, bgs., c.l., works. lb. .14½- —
l.c.l., works.....lb. .15 - —
Chloride, NF, gran., dms.....lb. .42 - —
precipitated, powd., dms...lb. .26 - —
solution, 50%, dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.35 - —
tanks, works.....100 lbs. 4.10 - —
tech., fused, dms., c.l., works. 100 lbs. 9.60 - —
l.c.l., works .....100 lbs.10.00 - —
gran., fib., dms., c.l., works 100 lbs.10.60 - —
l.c.l., works.....100 lbs.11.00 - —
Zinc chromate (see Yellow zinc).
Cyanide, kgs., over 1,000 lbs., works lb. .523 - —
under 1,000 lbs., works lb. .543 - —
Dust, pigment, bbls., c.l., works.lb. .17½- —
l.c.l., works .....lb. .18½- —
Fluoride, bbls., works.....lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld lb. .21½- —
l.c.l. .....lb. .22 - .37½
Iodide, NF, jars.....lb. 4.92 - —
Laurate, bbls .....lb. .45 - .48
Metal, slabs, E. St. Louis.....lb. .12½- —
Napnthenate, liquid, 8% Zn, frt. alld lb. .23½- —
10% Zn, dms., frt. alld...lb. .28½- —
Oleate, fused, bbls.....lb. .36 - —
Oxide, pigment, American process lead-free, bgs., c.l., dlvd..lb. .1425- —
l.c.l., dlvd.....lb. .1525- —
leaded 35%, bgs., c.l., dlvd. lb. .1440- —
l.c.l., dlvd.....lb. .1540- —
50%, bgs., c.l., dlvd....lb. .1450- —
l.c.l., dlvd.....lb. .1550- —
French process, com'l green seal, bgs., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
red seal, bgs., c.l., dlvd. lb. .15½- —
l.c.l., dlvd.....lb. .16½- —

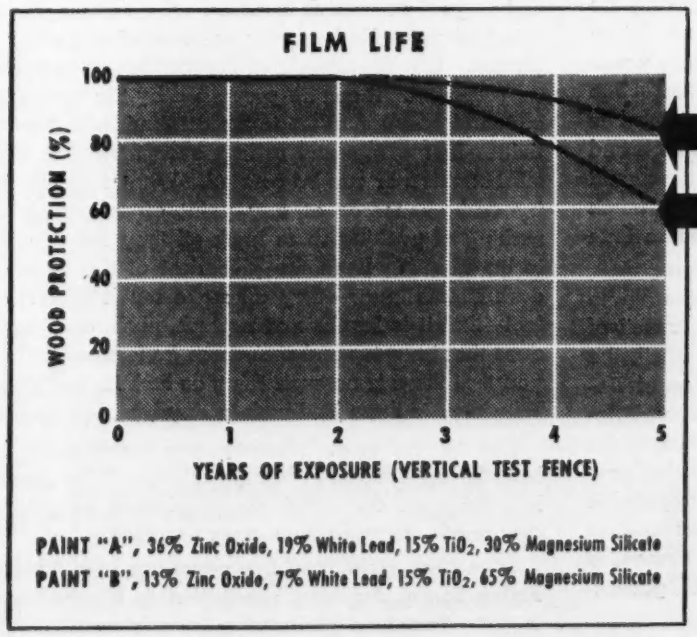
—Continued on page 53


HORSE HEAD PRODUCTS
PAINT PROGRESS NEWS
A supplement to PAINT PROGRESS—the house organ issued by The New Jersey Zinc Company for over a decade to help the paint industry make better paint and promote paint sales.

How ZINC OXIDE Adds Extra Life To Modern Outside Paints

Much longer service life is one of the important reasons why leading outside house paints contain about 30% Zinc Oxide by weight of total pigment.

Any significant reduction in Zinc Oxide content shortens the film life, as indicated in the chart below.



PAINT "A", 36% Zinc Oxide, 19% White Lead, 15% TiO_2, 30% Magnesium Silicate
PAINT "B", 13% Zinc Oxide, 7% White Lead, 15% TiO_2, 65% Magnesium Silicate

Here's how normal Zinc Oxide content prolongs film life:

1. **Toughens the film**
   a. By formation of zinc soaps
   b. By mechanical reinforcement through unusual shapes of particles
2. **Protects the binder**
   a. By absorbing harmful ultraviolet rays of the sun
3. **Retards aging of binder**
   a. By neutralizing the acidic products formed by oxidation of the binder

Zinc Oxide plays a major part in the long life of self-cleansing house paints.

In a typical test (left) of 2-coat self-primed paint systems on new wood, Paint "A" with 36% Zinc Oxide weathered by gradual chalking to a good repaint surface after about 4 years. This compares with approximately 3 years for Paint "B" with 13% Zinc Oxide.

Our experience indicates that 3 years' service on this test fence is equivalent to about 5 years on houses in the same vicinity.

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Volume 162 November 3, 1952 Number 18

Advice and Aid for Government

Government is turning more and more to the people for assistance—not in the nature of larger contributions in taxes: this is not a reversal of the past two decades' policy of handing out help to sometimes peculiarly determined groups. Government is going to the people for advice and work. It may be a bit difficult to accept the sincerity of the request for advice; but it is a fact. The Office of Price Stabilization has been trying out a method of enlisting local volunteers in the handling of price-controls. An advisory panel has been set up to study the possibilities of effecting economies in the construction of air bases all over the world.

Because of the big noise made last summer over the wastefulness of air force and army engineer construction programs and procedures with respect of air bases, it is interesting to see in the announcement of the advisory move that the committee "will conduct an overall study of the USAF worldwide construction program to support the 143-wing force. In addition it may challenge or question any criteria, plans, specifications, programs, or procedures in connection with the program." There are seven civilian members of the panel, but it is headed by the assistant secretary for air. In addition, two engineering firms have been employed for research and review by USAF. Whether the move will get anybody anywhere cannot be predicted. Those who have tried to work with the brass of any of the armed forces know why the secretary for defense has found it difficult to recruit "some of the nation's best brains" for a study of military manpower.

The apparently longest step in the move is shown by the announcement of the National Planning Association that it has set up a policy committee of nineteen members "to study how the President's staff can best help him with his work with the purpose of increasing the effectiveness of the executive office "so that future Presidents will have the most efficient assistance possible in carrying out their heavy responsibilities." The man at the head of this search for better advising has been a member of the Atomic Energy Commission and of the Securities and Exchange Commission. He should have some idea, at least, on what kind and how much advice can be expected to be accepted with more than an expression of thanks.

This committee will study, in addition to the White House staff, the Bureau of the Budget, the Council of Economic Advisers, the National Security Council, the National Security Resources Board, the Office of Defense Mobilization, and the Office of the Mutual Security Director. It will also look into the management practices in business, the military staff and foreign governments in search for technics that might be applicable to the operations of the executive office. The members of the committee are educators and businessmen, a number of the latter being former heads of governmental agencies.

It is about five years since one of this country's foremost industrial executives, declaring that there was "an urgent need for an improvement in the functional efficiency of government and for intelligent guidance from all levels of the population in providing aid in lawmaking and solution of economic problems," urged that a permanent council of "private citizens representative of every segment of business, finance, labor, and agriculture" be organized to work with federal agencies and congressional committees. His idea was that such a council should create panels of civilian experts in areas of agriculture, labor, finance, industry and commerce, each to deal with the problems of the relevant cabinet office and the congressional committees having to do with them. "With all segments of the American economy properly represented and with experts in every field available for information and consultation," he said, "we should be better able to minimize the dreadful lack of balance in our present situation."

There is today an immeasurably greater need to work for that attainment. The people should see that it is properly and promptly met. Business should lead.

Prophets of Gloom

Not all those currently busy foretelling the days of the next year or two or ten are concerning themselves with the outcome of tomorrow's national elections. Many are still sticking to the areas of commercial economy and it is a discouraging sign of something or other that most of them see crepe and not roses in the offing.

All sorts of gloomy outlooks are being made known far and wide. All sorts of commentators are predicting dark eventualities in all business affairs. There is a peculiarly solemn agreement that a slump is just around the not distant corner, and more peculiarly do the predicters appear to be agreed that the slump is inevitable. Business groups not particularly given to gloominess are discussing such things. The head of one important group in organized labor "looks forward to a period of awful stagnation in industry." Speakers at meetings of financial groups are getting three-column heads in the newspapers for what they say about the need for better planning for recessions.

Of course, a great many persons in business still do not realize that both supply and demand are in far largest part made by man; they still cling to the beliefs of the agrarian economic age that all the influences which act upon the volume and value of business and the status of prosperity are natural laws. Hence, it is not to be wondered why they apparently look upon a business slump as something of the nature of a drought or a hurricane, a tidal-wave or an earthquake—something that happens superhumanly, supernaturally, or in some way beyond the preventive, if not remedial, powers of mere man.

Industrial stagnation is inevitable, say some of the prophets of gloom, painting dark-gray pictures of the post-Korean era. But, industrial stagnation or commercial stagnation—which is more likely to come—is not an evil laid upon business by some infernal power as a plague. It is an ailment of internal origin and internal development. It can be prevented by the simple application of common sense to the continuing of normal activities in making and selling everything for which a market exists or can be created. What can hold industry and commerce at any point of progress—to say nothing of pushing them back—if they are determined to go ahead? Even the gloomiest of the foreseers of dark events know—they all make much capital of the fact—that it is by their own pluck, push, and perseverance that industry and commerce go forward. They tell you that there is no such thing as luck in that situation. Why then is there bad luck in any business situation?

The ancient saw, "Monkey see; monkey do" has a broader application in human affairs—"Man hear; man believe; man do"—and the prophesies of gloom are confirmed—because man does not think.

Something more than five years ago, the Advertising Federation of America, assembled in Boston, was told that the downturn then setting in could be blamed upon advertisers' ineptness and the failure of industrial and commercial leaders to unite and work to expand distribution and maintain employment so as to forestall a depression. The first job, it was declared, was "to maintain high levels of productive employment through dynamic distribution." Then, and now, and always, the one thing to do about a slump is to keep out of it. That can be done.

For the Bookshelf

MATERIAE VEGETABILES: Acto Culturae et Praeparationis Plantarum. Organ of the International Commission for Plant Raw Materials. Vol. 1, No. 1. Paper; 128 pages, 6⅜x9⅞ in. Den Haag; Uitgervij Dr. W. Junk.

This is the first issue of a quarterly magazine "dedicated to the whole domain of vegetable raw materials" and designed to be a "connecting link on the one hand between research, cultivation and extraction, amelioration, preparation and utilization on the other." The articles which it will carry are printed in various languages, preferably English, French, German, Italian and Spanish, with a summary in a second language. This first number has the following contents:—"Karroid and Karoo veld as Nutrition to Farm Animals," "Der Leinals Oel- und Faserpflanze des LaPlata-Gebietes," "Die wissenschaftlichen Grundlagen der Hartznutzung und ihre praktischen Auswirkungen," "The Caesalpinias as Tanning Materials," "Uber den Einfluss der Dungung auf die Faserentwicklung der Yucca-pflanze," "The Significance of Terpene Accumulation in Plants," "Die Verwertung der Fasern von Stamen der essbaren Bananen," "Le Styrax en Grece," "The International Commission for Plant Raw Materials," "Referate-Reviews-Analyses."

It is difficult to judge the reliability of the contributors, but the face value of the articles is impressive and the international commission is an organization of high repute.

This periodical should do much good in an economic area of large possibilities and much significance. The subscription price is 40 Dutch guilders per volume (4 numbers).

Washington Talks

—Continued from page 5

ments are made directly to a political party or indirectly in the form of paid advertisements or contributed radio and television time, or in any other manner."

Marks of Origin

American businessmen can now get up to date information on requirements of foreign governments regarding marks of origin on goods entering those countries in a publication just put out by the Department of Commerce and available at any field office.

The publication contains data on all foreign nations that have changed their marks of origin requirements since 1947. Regulations of two governments — India and Pakistan—which were covered under "British India" in earlier editions of the document are now separately noted. Newfoundland and its dependency, Labrador, is now a province of Canada and therefore subject to Canada's marking regulations which are printed in full. Goods not properly marked on arrival in Canada are no longer subject to fine, but will not be cleared for entry until marked properly. And "USA" is no longer accepted by Canada as a sufficient indication of origin.

Mexico has joined five of the American republics which generally require marks of origin on import goods. However, Mexico makes this requirement only for articles bearing trademarks registered in that country and on which full protection under Mexico's trademark law is desired.

USDA Realigns Setup

Secretary Brannan is realigning the responsibilities within the Department of Agriculture in the fields of soil surveys and soil, crop and water management research. Responsibility to conduct the National Cooperative Soil Survey, which has been the responsibility of the Agricultural Research Administration, has been assigned to the Soil Conservative Service, and responsibility for all research in soil and crop management and in water management on farms related to crop production has been assigned to ARA.

The realignment of responsibilities will be effective November 15. The purpose is to consolidate into one operation the soil survey work of the ARA and the conservation survey work of the SCS, and to focus more sharply all resources of soil, crop and water management research on the various problems that confront farmers throughout the country. Both lines of work are conducted cooperatively with State agricultural experiment stations.

The soil survey work of the ARA dealt with the science of soil classification and consisted of detailed classification and mapping of the nation's agricultural land and the issuing of soil survey reports. Through the conservation survey work of SCA, farmers and ranchers obtain soil maps of their land interpreted in terms of land capabilities. These maps serve as a basis for developing and carrying out conservation farm plans keyed to the specific soil and water resources of their farms.

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Ferrous Gluconate N.F....The iron in Pfizer Ferrous Gluconate N.F. is more easily assimilated and more efficiently used by the body than iron in other forms. For these reasons, it should be of special interest to pharmaceutical manufacturers for the improvement of established hematinic compounds and for incorporation in new products.

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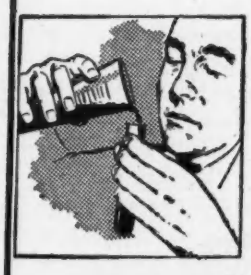

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TULSA

Heavy Chemicals

Buying interest in heavy chemicals appeared to be sustained at its former level over the turn of the month. In producing quarters it was stated that a fair tonnage in caustic soda, chlorine and soda ash had been placed for future shipment. The prolonged strike at the Corpus Christi plant is tending to cramp the movement of soda ash to some extent and short shipments have been reported in a few instances. No improvement in the supply of nickel salts can be noted and no easement is in sight. Anhydrous ammonia is still tight with production moving steadily into consuming channels. Copper sulphate stocks are increasing with demand down for agricultural and mining use. Abnormally cold weather has sharply increased the inquiry for calcium chloride. Low production has kept the supply of copperas down and there is a delay in shipments. Muriatic acid continued to lean toward the tight side but there was no shortage of sulphuric or any of the other acids.

Production levels of industrially important inorganic chemicals in the United States were generally higher for the month of August than for the previous month, but were slightly lower than the corresponding period in 1950, according to the Bureau of the Census. Increases from July 1951 were reported for 34 of the 47 chemicals now included in the Bureau's monthly survey while decreases were reported for 10. In comparison with August 1951 output, the August 1952 figures were higher for 14 chemicals and lower for 28.

August 1952 production of phosphoric acid and sodium tripolyphosphate exceeded all previously reported monthly totals. In addition, the August 1952 output was greater than that for last month or for the corresponding period of last year for the following chemicals: ammonia, ammonium nitrate, ammonium sulfate, nitric acid, sodium bicarbonate, sodium tetraphosphate, oxygen and zinc chromate.

Paper production based on a percentage of six-day capacity was 96.2 percent for the week ending Oct. 25, according to the American Paper and Pulp Association. This compared with 90.5R in the preceding week and 100.5 for the corresponding week in 1951.

Production figures below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammonia, anhydrous—Absence of surplus stocks has kept the market position tight although in producing quarters it was stated supply and demand are not far out of balance. Contract consumers appear to be receiving shipments regularly and stocks are moving as rapidly as produced. Prices are unchanged and firm.

Ammonium Bicarbonate—Cracker bakeries have been steady buyers throughout October. Demand increased as the month progressed and sales were fully up to the seasonal average. Stocks were built up earlier in the year to take care of demand which usually expands in time for the holiday trade.

Calcium Chloride—Buying orders came in with a rush last week, inquiry being stimulated by the abnormally cold weather. Producers' stocks have been reduced and in some instances short shipments were in evidence. It was stated that demand emanated mostly from county and state municipalities for ice control.

Chlorine—Market maintained a fair degree of balance at the turn of the month. Demand was a bit broader last week and some producers were a little behind shipping schedules. NPA stated recently that supplies have been in balance with requirements for the past six months. Future shipments have been booked at prices current.

Regarding the Canadian situation, the Department of Commerce states that because the slump in the cotton-textile industry and in rayon production has caused inactivity in that part of the pulp and paper industry, chlorine is temporarily in unusually good supply. When the textile industries become more active, a nearer balance between demand for chlorine and caustic soda is anticipated.

Cobalt Acetate—August production was placed at 4,348 pounds by the Bureau of Mines. July output was 7,993 pounds. Shipments during August were 6,724 pounds, against 8,167 in the preceding month. Stocks on August 31 were 12,923 pounds, compared with 14,896 on July 31.

Copper Sulphate—No improvement in the Agricultural inquiry from the citrus growing area could be noted. Some falling off in demand for mining use was reported owing to less activity as a result of the recent price reductions in lead and zinc. Shipments to the iron and steel industry continued steady. Export sales have increased to Europe and Latin American countries under the issuance of more licenses. Supply position remained comfortable with prices firmly sustained.

Production of copper sulphate 5,980 tons in September was virtually the same as in August but shipments rose 53 percent to 8,116 tons according to the Bureau of Mines. Stocks decreased 22 percent to 7,736 tons but still were sufficient for almost a month's needs at the September rate of shipments. Foreign trade data for September are not available. There were no imports in August. Exports of 1,701 tons were 66 percent less than August, and except for June, were the lowest since this series of monthly reports was begun.

Copperas—Supply conditions are rather tight for steel mill copperas. It was stated that the heavy demand for iron and steel at present has diverted attention from producing copperas and buyers are finding difficulty in placing orders for prompt shipment. Prices are firm at former levels.

Potash, Caustic—Sales continued at the improved level established during the latter part of October. Demand, while of miscellaneous character, showed a substantial increase for use in the manufacture of chemicals. August production of liquid was placed at 5,925 tons, compared with 5,624 in the preceding month and 5,953 tons in August 1951. Output of solid in August was 1,176 tons, against 1,170 in July.

Potassium Carbonate—Demand has shown more activity compared with a month ago. The glass plants have taken on more stock and are apparently building up inventories.

Potassium Chlorate—Moderate increase in sales to the match factories is reported. Prompt shipments remained available. August production amounted to 426 tons, compared with 558 in July and 904 tons in August last year.

Soda Ash—Stocks generally adequate to meet requirements although it was stated in some producing quarters that shipments were a bit short at the turn of the month. Glass plants have taken on a lot of dense ash of late and this has been reflected in shorter supplies of dense than light ash. Future shipments have commanded more attention and a fair contract tonnage is said to have been placed. Production of finished light ash during August amounted to 194,620 tons, compared with 169,731 in July and 206,887 tons in August 1951. Output of finished dense ash in August amounted to 133,341 tons, against 131,103 in the preceding month and 157,163 in August 1951. Production of natural in August was 27,220 tons, compared with 25,156 in July and 30,333 tons in August last year.

Summarizing the situation in Canada, the Department of Commerce states that formerly, large amounts of soda ash were imported from the United Kingdom, but these have been cut sharply. Total imports of soda ash dropped to 12,629,385 pounds (C$168,600) in the first half of 1952 from 33,599,155 (C$423,335) in the first half of 1951. The United Kingdom supplied 6,146,895 pounds and 31,216,900 pounds, respectively.

Soda, Caustic—Domestic demand is maintained at a higher level than a month ago. The overall supply situation continued good although in some quarters inventories have been reduced. There appeared to be more interest in contract shipments and it was stated that a fair amount of tonnage has been placed for future requirements at current prices. August production of liquid caustic soda by the electrolytic process was 202,463 tons including 23,363 tons of solid, compared with a revised total of 187,714 tons of liquid containing 26,086 tons of solid

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Nov. 2, 1951
95.13	95.13	95.13	96.94

(For Current Prices see Page 9)

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in July and 211,299 tons of liquid including 41,092 tons of solid in August 1951. Production by the lime-soda process amounted to 40,346 tons of liquid containing 9,510 tons of solid in August, against 36,748 tons of liquid including 9,240 tons of solid in July and 51,384 tons of liquid containing 14,102 tons of solid in August 1951.

Canada's excess of caustic soda supplies in relation to chlorine stem principally from the emphasis in the Dominion paper industry on the production of newsprint which requires large amounts of chlorine, whereas production of other types of paper requires caustic soda, states, the Department of Commerce. Some caustic soda is being used uneconomically where soda ash or lime could be used, as in the manufacture of glycols. Producers have lowered prices for caustic soda considerably, but have not been able to dispose of all their stocks.

Sodium Bicarbonate—Market position steady with demand showing gradual improvement. August production of refined was placed at 11,188 tons, compared with 9,969 in July and 10,003 in August last year.

Sulphur—The domestic sulphur industry produced 428,810 long tons of native sulphur and 24,423 tons of recovered sulphur (of a purity of 97 percent or greater) during the month of September, according to reports of producers to the Bureau of Mines. Producers' stocks of native sulphur continued to increase and at the end of September stood at 3,081,284 tons. There was also 75,277 tons of recovered sulphur.

A concession is reported to have been granted for the exploitation of sulphur deposits on Socorro Island off the northwest coast of Mexico. Although some volcanic sulphur is found there, the value of the deposits has not been established, and rapid recovery of substantial amounts is not anticipated.

Foreign advices state that the Skorovass mines in North Norway will commence production of copper pyrites this month at an annual rate of 150,000 tons. The Norwegian Government has guaranteed a loan of £650,000 sterling for the reconstruction of the mines; and it is believed the total output will be exported.

Acids

Hydrofluosilicic — Consumers are not finding stocks a problem at present. Supplies are not excessive but appear sufficient to meet current requirements.

Muriatic — Stocks leaned toward the tight side at the turn of the month after being definitely short during the early part of October. It is said to be doubtful if byproduct acid production increases much before the end of the year or until there is more activity at DDT plants.

Naphthenic—Buying interest showed no important pickup during October and stocks have remained fully adequate to meet the current extent of consuming demand. Prices for 220-230 percent are unchanged at 14c. per pound for drums in carlots and at 12c. per pound in tankcars f.o.b. the works.

Nitric—Production has kept the market in adequate supply and consumers have been able to replenish inventories without difficulty. Small lot sales have predominated in the local market with former prices fully sustained.

Oxalic—Slight increase in small lot sales was noted during October. Buyers have shown no apparent interest in round lots and carlot business has been an exception.

Sulphuric—While demand has expanded production has been ample to meet requirements. The supply in this area may be described as comfortable with immediate shipments available.

Nonferrous Metals

Aluminum—In reviewing the third quarter, the Aluminum Association's Bulletin says in part that the biggest news of the quarter production-wise is the plan announced for a $400,000,000 aluminum smelting project in Alaska with a capacity of 400,000,000 pounds annually. Although the present expansion program has been delayed somewhat by the steel strike, several new pot lines have recently begun operating. Production during the third quarter, however, has been curtailed by power shortages resulting from low water conditions, particularly in the Pacific Northwest. The steel strike affected the industry in other ways too. The The new wage increases granted to steel workers led to similar demands by aluminum workers and new higher aluminum wage scales. To meet increased costs resulting directly and indirectly from these wage increases,

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the industry requested price increases of two cents per pound (one producer asked for slightly more.) Governmental authorities granted only half of this amount, bringing the price of aluminum ingot to 20c. per pound and pig 19c.

Antimony — Domestic mine production of antimony decreased 74 percent in August, as compared with July, and amounted to only 42 short tons, according to the Bureau of Mines. Smelter production also decreased sharply to 503 short tons or 53 percent. Both decreases were due mainly to the shut-down of an important mine and smelter Industrial consumption increased 40 percent in August, totalling 1,292 short tons as compared to 922 short tons in July. Of the total consumption, 58 percent was used in the manufacture of metal products and the remainder in the manufacture of nonmetal products. This is the first month since the monthly antimony canvass originated in January 1951 that the consumption of antimony in the manufacture of metal products exceeded that consumed in the manufacture of nonmetal products. This unusual condition was brought about chiefly by large consumption in the manufacture of battery metal and antimonial lead. Stocks held by producers and smelters on August 31 increased 17 percent from the 2,476 tons reported on hand August 1. Industrial stocks held by consumers and dealers, however, decreased 11 percent from the 5,497 tons reported on hand at the beginning of the month.

Copper—NPA has allocated to brass mills and wire mills 56,667 tons of foreign and domestic refined copper for the month of November, while 5,147 tons will go to foundries and powder mills. These allotments are the same as in October. Allocations of copper scrap, however, declined substantially from October levels. NPA allocated to brass mills, foundries, ingot makers, and other users a total of 74,453 tons of scrap for November, against 83,050 tons in October.

Quicksilver—Market position remained firm last week with spot stocks short and well held. Demand was not unusually active with some small lots bringing $196 and suppliers naming $195 to $196 per flask. Arrivals are expected this week.

San Francisco.—Little or no change was noted on the local market during the week with metal quotations at $195 per flask. Stocks continue limited.

Silver—Mine output of recoverable silver increased to 3,055,116 ounces in August 1952 up 2 percent, compared with the preceding month, and on a daily average basis was also up 2 percent, according to the Bureau of Mines. Among the principal silver-producing states, the changes in production rates were as follows:— Increases in output of 5, 2, 1, 5, and 11 percent in Arizona, Idaho, Montana, Nevada, and Utah, respectively; declines of 7, 8, and 11 percent in California, Colorado, and New Mexico, respectively. The increase in Arizona reflected return to normal operations at copper mines in the Bisbee district that yield byproduct silver after being closed for two weeks in July to allow for summer vacations. The rise in Nevada resulted principally from greater output in Lincoln County and resumption of mining in Nye County and Elko County. The gain in Utah was due largely to return of normal operations at the New Park and United States and Lark groups and greater output at the Butterfield and Calumet properties.

Tin—Imports of metallic tin were 6,619 long tons in July (9,951 in June), according to the Bureau of Mines. Receipts of ore in terms of contained metal amounted to 5,481 long tons in July (3,070 tons in June). Ore and metal imports were augmented by 646 (gross weight-chief value tin) of alloys brought into the country in July, mainly from Western Germany in the form of a 94-percent tin alloy. Imports for consumption of this class were 397 tons in January, 753 in February, 1,182 in March, 578 in April, 1,256 in May and 499 in June. World mine production of tin has been estimated at 14,650 long tons in July, compared with 14,400 in June.

Zinc—Sales last week in prime western did not exceed moderate dimensions. The market was quoted at 12½c. per pound East St. Louis basis with some sales reported at price time of shipment. The future market continued soft although there was no unusual activity over the turn of the month.

Silicofluorides Data Offered

The Davison Chemical Corporation, Baltimore, Md., has issued technical data sheets on a new line of products, the organic silicofluorides. The materials, which were formerly known only as laboratory curiosities, are now being produced commercially. The silicofluorides described are:—Methylamine, dibutylamine, ethylhexylamine, anilin, "rosin amine" and morpholine. The data sheets are available on request to Davison's technical service department.

Mich. Chemical Increases Duties of Marshall Manns

Michigan Chemical Corporation, St. Louis, Mich., has increased the duties of Marshall Manns to include those formerly assigned to Leonard Gopp, who is no longer with the concern. Mr. Manns, who has been agricultural sales manager of the past year, will hold that post in addition to his new assignment. Mr. Gopp is now operating the Philgo Chemical Company.

Bagpak Division Issues Brochure

Bagpak Division of International Paper Company, New York, has published a brochure describing multiwall bags for a wide variety of products. Each of the basic types of multiwall bags — sewn open mouth, sewn valve, pasted open mouth, pasted valve and automatic or self-opening sack—is illustrated. Other subjects covered include bag kraft paper, bag printing, palletizing and bundling, the cushion stitch closure, and various types of bag-filling and closing machines. Copies of the brochure, No. 8, may be obtained by writing the company at 220 East 42nd street, New York 17.

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Sulphuric Acid Safety Data Revised by MCA

Latest recommended practice for unloading sulphuric acid or mixed nitric and sulphuric acids from tankcars is described in manual sheet TC-1 issued in revised form by the Manufacturing Chemists' Association. The manual differs from the previous edition, issued in 1941, primarily with respect to recommendations for unloading congealed sulphuric acid and oleum. This section has been broadened to cover a wider range of unloading conditions consistent with modern practice.

Other sections of the manual cover safety equipment, unloading equipment, sampling procedure, what to do about leaks, use of compressed air, unloading technique, and proper handling and care of tankcar. The twelve-page manual has been prepared by leading experts in the chemical industry and is one of a series issued by MCA on safe handling of common industrial chemicals. It is available from the association's headquarters at 246 Woodward Building, Washington 5, D. C., at 20c. per copy, postpaid.

Pacific Coast Borax Splits Agricultural Field Operations

Pacific Coast Borax Company, New York, division of Borax Consolidated, Ltd., has announced that henceforth its operations in the agricultural and related fields will function in two divisions with new names. Research, development, and sales in the field of crop production and plant nutrients will henceforth operate under the Plant Food Division. E. M. Kitchen and Dr. J. A. Naftel will continue to have charge of the research and sales development programs in this division throughout the United States, with the exception of eleven western states.

In line with the broadened scope of its activities, the division operating in the weed control field will henceforth be known as the Agricultural Sales Division. In addition to weed control work, this division will also be responsible for boron deficiency work in eleven western states. Dr. L. M. Stahler, who recently joined the company, will head research and development work in this new division.

Maguire, Hercules District Sales Manager, to Retire

Milton J. Maguire, district sales manager of the paper makers chemical department of Hercules Powder Company, Portland, Ore., will retire December 31, the company has announced. Mr. Maguire will be succeeded by Hoke Martin, manager of the company's Kalamazoo, Mich., sales office.

Mr. Martin's transfer will be effective November 1, the company announced. Upon the completion of his accrued vacation, Mr. Maguire will remain on the west coast, where he expects to act as sales agent for paper industry products. In other personnel changes, Daniel D. Cameron, assistant manager of technical service, Paper Makers Chemical Department, Wilmington, Del., has been named district sales manager at Kalamazoo, and Robert R. Buss has been named assistant district sales manager at Kalamazoo.

Monsanto Wins Top Award In Annual Reports Contest

Dr. Charles A. Thomas, president of Monsanto Chemical Company, St. Louis, Mo., accepted the first gold "Oscar" ever awarded to a chemical company last week at the *Financial World* annual report awards banquet in New York. The top trophy was for the best annual report of all industry.

F. J. Emmerich, president of Allied Chemical & Dye Corporation, New York, received, on behalf of his company, a silver award for the concern's annual report advertisement. General Electric Company, Schenectady, N. Y., won a similar trophy for the best stockholder annual meeting report. The prize for the best report of all Canada went to Aluminum, Ltd., Montreal.

Amer. Can Ups Henschel

George F. Henschel, former manager of the beer division of the general sales department of American Can Company, New York, has been appointed manager of sales for the company's Atlantic division. Mr. Henschel succeeds B. R. Wood, who has been named assistant general manager of Canco's general purchasing department.

Tank Liners Available

The American Agile Corporation, Maple Heights, Ohio, has announced that it is offering corrosion-resistant tank liners of "Agilene" (polyethylene) and "Agilide" (unplasticized polyvinyl chloride). The liners are of fully welded construction. They are made to customer's specifications and can be furnished complete with drain and overflows, including "Agilene" or "Agilide" pipe flanges, fittings and valves. Liners of all shapes and sizes, with wall thicknesses up to one inch, are fabricated at the plant, according to a company announcement.

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Reynolds Metals Contract Let for Patterson Plant

Reynolds Metals Company, Louisville, Ky., has awarded a joint general and mechanical contract for the construction of its Robert P. Patterson aluminum reduction plant at Arkadelphia, Ark., to Ditmars-Dickmann-Pickens Construction Company, Little Rock, Ark., and W. S. Bellows Construction Company, Houston, Tex.

Work will begin immediately and is expected to be completed by July 1, 1953, according to M. W. Henry, Reynolds vice-president in charge of purchases. The new plant will have a yearly capacity of 110,000,000 pounds of aluminum. It was named after the late Judge Robert P. Patterson, former Secretary of War, who was a member of the board of directors and general counsel for the company. The Patterson plant is a part of the over-all expansion of the aluminum production facilities of Reynolds, which when completed, will reportedly give the company a total yearly production capacity of 829,000,000 pounds.

Solvents Line Announced By John B. Moore Corp.

John B. Moore Corporation, Nutley, N. J., has announced the availablity of "Orthosene," "Per-Trolene," and "Frigisol," new safety solvents for electrical, mechanical and metal parts degreasing, and for refrigeration equipment cleaning. All three solvents are designed to replace carbon tetrachloride, the company stated.

"Orthosene" is a slow-drying solvent, having a high flash point (175 degrees Fahrenheit, closed cup) and excellent degreasing quality without leaving residual oily film, according to the producer. "Per-Trolene" is a rapidly drying solvent, having a flash point of 140 degrees Fahrenheit (Pensky-Martin closed cup), which has a wide application throughout electrical and mechanical maintenance shops. "Frigisol" is also a rapid drying safety solvent, similar in many qualities to "Per-Trolene," but also capable of displacing water. It has a flash point of 235 degrees Fahrenheit, which makes it applicable to many spot locations where lower flash solvents might present fire hazards, the producer reported.

Crown Chemical Appoints Grant Gen'l Sales Manager

Crown Chemical Corporation, Providence, R. I., has named Fred C. Grant general sales manager. Prior to joining Crown Chemical, Mr. Grant was associated with General Dyestuff Corporation, New York, for many years in its textile chemical division. Following this, he was a sales and technical representative for Synthron, Inc., Ashton, R. I. Most recently Mr. Grant was with the M. W. Dunton Company, Providence, where he served as

Leuck Resigns from Glyco

Dr. Gerald J. Leuck, technical director of the Glyco Products Company's branch factory at Natrium (New Martinsville) W. Va., and formerly associated with Corn Products Refining Company, Miner Laboratories and the Quaker Oats Company, has resigned to enter the consulting field. Dr. Leuck has been appointed special research consultant for Glyco.

Foote Appoints Wicken Sunbright Unit Manager

Oscar M. Wicken has joined Foote Mineral Company as manager of the Sunbright, Va., division. This new division covers the production of lithium chemicals and the quarrying of limestone. From 1941 until joining Foote, Mr. Wicken was with Northwest Magnetic Company in various engineering and supervisory capacities, most recently as manager of the magnesia recovery plant at Cape May, N. J.

Trade Briefs

J. Peter Grace, jr., president of W. R. Grace & Co. and Grace Chemical Company, has accepted chairmanship of the advance gifts committee of the 1953 Greater New York campaign for the National Foundation for Infantile Paralysis.

Dr. Alphons O. Jaeger, chairman of the development committee and director of the general technical department of the American Cyanamid Company, New York, has been named a "Pennsylvania Ambassador" by the Pennsylvania State Chamber of Commerce.

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Diamond Alkali Promotes Tillman, Puschaver, Rahn

Promotion of three veteran supervisory employees to posts of increased operational responsibility at the Painesville, Ohio, plant of Diamond Alkali Company has been announced by M. O. Kirp, general manager of the plant.

A. B. Tillman, since 1946 general superintendent of the electrochemical division of the Painesville plant, becomes general superintendent of its alkali division, replacing W. G. Schmucker, who retired recently after holding this key post for many years. Steve Puschaver, assistant general superintendent in the plant's electrochemical division for the past six years, succeeds Mr. Tillman as general superintendent of this Diamond manufacturing unit. Richard C. Rahn, formerly an area supervisor in the electrochemical division, takes over Mr. Puschaver's position as assistant general superintendent.

Nat'l Research Names Clough

National Research Corporation, Cambridge, Mass., has appointed Philip J. Clough assistant director of the metallurgical department. Mr. Clough, who has been with National Research since 1946, was project manager prior to his recent appointment.

German, Russian Data Available

New German manufacturing processes and patent applications as well as Russian research papers dealing with inorganic chemicals are offered in translated report form by Research Information Service, 53 Nassau street, New York 38, in Research Bulletin No. 71, which has just been issued. The bulletin, entitled, "Inorganic Chemicals," consists of four sections: Sulphur and sulphur compounds, chlorine and chlorine compounds, miscellaneous manufacturing processes, and articles from Russian scientific journals.

Polymer Data Offered by Thiokol

Thiokol Corporation, Trenton, N. J., is offering a folder on its product, "Thiokol Liquid Polymer, LP-2," suggesting applications of the material and describing its properties. The product is a viscous liquid which converts to a tough, resilient, solvent-resistant rubber at room temperature, the company states.

Int'l Minerals Sales Manager

Dr. Eric J. Reedman has been named sales manager of bulk medicinal chemicals in the amino products division of International Minerals & Chemical Corporation, Chicago. Dr. Reedman was formerly Canadian representative and sales manager for International's amino products division. In his new post, he will be in charge of sales to the pharmaceutical industry, and will make his headquarters in Chicago.

Chemstrand Ups Lawson, Reassigns Four Chemists

Dr. J. Keith Lawson, jr., has been appointed a group leader and four other chemists have been assigned to new duties in the research and development department of the Chemstrand Corporation, Decatur, Ala.

The chemists who have been assigned new duties are Dr. William K. Easley, Ralph O. Fleming, Eugene L. Ringwald and Pompelio A. Ucci, all of whom had previously been engaged in fiber research and development at Dayton, Ohio, and Marcus Hook, Pa., where Chemstrand maintained laboratories until recently. Dr. Lawson was formerly a research chemist at American Viscose Corporation, Marcus Hook; the University of Illinois, and E. I. duPont de Nemours & Co., at Newark, N. J.

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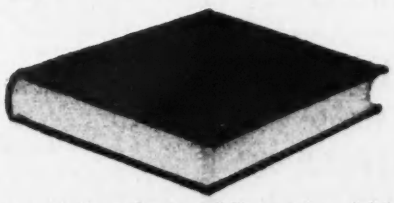

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Textile and Leather Chemicals

Consumer demand for textile and leather chemicals last week continued spotty and was confined to prompt requirements. Corn dextrin and starch were easier, with lower grain and reduced fractionally, the first price decline since last June. Declines also took place in egg yolk, which dropped 3 cents per pound while albumen remained steady and unchanged. Sumac leaf also was lower and declined $5 per ton for shipment. Imported potato starch on spot was available at a fractional reduction for moderate quantities.

Higher prices, however, were noted for shipments of Africa mangrove bark and valonia cups and beards. Rice starch also was firmer for spot delivery due to the clearance of cheap lots from the local market and increased cost of replacements from Belgium and Italy. There was no improvement in the tight supply of domestic potato starch and quotations were merely nominal. A fair volume of trading was reported in imported potato starch for spot delivery and increased stocks here were reduced fractionally in some quarters for sizable quantities. Shipments from Denmark and Holland were unchanged and well held. Tapioca flour was scarce here and in Brazil. Offers for shipments from that country have practically ceased and light stocks here were held at prevailing prices for regular customers needs.

Cattle hide production in August showed a material gain, totaling 1,909,000 hides, against 1,610,000 in July, according to Tanners Council. Calf and whole kip skins increased to 914,000, compared with 685,000 the previous month; sheep and lamb skins mounted to 2,718,000 against 1,911,000, while goat and kid skins were slightly lower at 2,293,000 compared with 2,595,000 in July.

Market Trends

Prices Advanced

Mangrove bark, Afr., $1 per ton.
Rice starch, 5c. per lb.
Valonia beards, $3 per ton.
cups, $2 per ton.

Prices Reduced

Corn dextrin, 15c. per 100 lbs.
starch, 15c. per 100 lbs.
sugar, tanners, 15c. per 100 lbs.
Egg yolk, 3c. per lb.
Potato starch, imp. spot, ½c. per lb.
Sumac leaf, $5 per ton.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 2, 1951
100.64	100.44	104.10	99.03

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Moving in good volume, chiefly for current requirements. Prices were without change and steady. Supplies were ample to meet existing demand.

Bichromates—Steady demand continued for delivery against current contracts. New business was fair and spotty. Market remained firm at prevailing quotations.

Sulphonated Oils—Trading was spotty and restricted to actual requirements. Prices were held at prevailing quotations.

Sizing Materials

Blood Albumin — Production has increased seasonally and adequate supplies were available for immediate shipment. Demand was moderate and less active than heretofore, which is usual at this season. Prices, however, remained steady and unchanged at 70c. to 80c. per pound, according to quality and quantity. Buying interest in soluble dried blood was light and spotty. Stocks are ample. Prices were unchanged at 17c. to 18c. per pound as to quantity.

Corn Dextrin—All grades were reduced 15c. per 100 pounds, due to the lower cost of cash corn. Trading continued fairly active for prompt delivery. Gum was lower at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.69; dark, $8.79; and white, $8.53, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Lower cost of corn resulted in the decline of 15c. per 100 pounds. Pearl was cut to $7.14 per 100 pounds, paper bags, carlots, New York, and powder, $7.26, same basis. Good demand was noted for prompt requirements. Smaller quantities were 15c. per 100 pounds higher. The world corn production will reach the second highest total in history, it was predicted by the Department of Agriculture. Early figures for the 1952-53 season point to a world production of 5,600,000,000 bushels, compared with the 1948 record output of 6,000,000,000 bushels. Most of the year's 6 percent increase over the 1951-52 crop, comes from the United States production, estimated at 3,257,000,000 bushels, which accounts for the about 58 percent of the world's output. Other production gains are expected from Mexico, Canada, South America and Africa, while Europe's crop will probably be smaller and Asia's will remain unchanged, according to estimates. Visible corn supply increased 3,242,000 bushels to 21,639,000 bushels for the week ended October 24, against 32,200,000 bushels for the same time last year, according to the Chicago Board of Trade.

Corn Sugar—Tanners grade was cut 15c. per 100 pounds. Chipped was quoted at $7.30 per 100 pounds, paper bags, carlot, New York delivery. Demand was confined to small lots for immediate delivery.

Egg Albumen — Albumen remained steady and unchanged, while yolk was easier. Demand for albumen was fairly active for prompt delivery. Flake well held at $2.39 to $2.41 per pound and powder at $2.43 to $2.45 per pound, depending upon quantity. Interest in technical was spotty, with quotations maintained at $1.03 to $1.08 per pound, as to quantity.

Egg Yolk — Further price reductions took place in yolk the market dropping 3c. per pound. Trading was confined to immediate needs. Stocks on spot were quoted at $1.04 to $1.06 per pound, according to quantity.

Potato Starch—Business was spotty and restricted to imported material as domestic was in limited supply. Production in Maine was nil and materially reduced in Idaho due to the high cost of cull potatoes, which were absorbed for table use. Imported was offered at unchanged prices, Danish was quoted at 8.60c. per pound, bags, carlots, New York, duty paid, and Dutch at 8.85c. to 8.90c. per pound, according to packing, same basis. Imported ranged from 9½c. to 10½c. per pound, exwarehouse, and domestic at 11c. to 12c. same basis, depending upon quantity.

Rice Starch—This market was stronger, following the absorption of cheap lots and was higher with the increased cost of replacements. Supplies for spot delivery were quoted at 15c. to 17c. per pound, exwarehouse, as to grade and quantity.

Tapioca Flour—Owing to scarcity of supplies here and at primary sources, the market remained entirely nominal. Supplies on spot were quoted nominally at 14c. to 16c. per pound, exwarehouse, according to quantity and seller. High prices has affected trading considerably as consumers have switched to substitutes.

Tanning Materials

Chestnut Extract — Stocks were light and closely held at prevailing quotations. Consuming demand was spotty for immediate delivery.

Cutch—This market was unchanged and steady. Shipments were maintained at 8¼c. per pound, exdock, plus duty.

Mangrove Bark—Business was restricted to occasional shipments for prompt delivery. South American was unchanged at $60 per ton, exdock, while African was firmer at $79 to $80 per ton, same basis.

Myrobalans—Buying interest was quiet. Shipments were held at former levels. Ordinary JI's were quoted at $45 per ton, exdock; assorted at $48 per ton, and crushed, $65 to $66 per ton, same basis.

Quebracho Extract — Buying interest was fairly active, chiefly for prompt shipment. Primary market remained unchanged and firm. Solid ordinary was quoted at 11 31/64c. per pound, carlots, exdock, and clarified, 12 3/16c. same basis plus duty.

Sumac Leaf — This market continued weak and shipments dropped $5 per ton. Consumer interest was lacking. Shipments were lower at $110 per ton, exdock.

Valonia — Primary market was firmer and shipments were lifted $2 to $3 per ton. Inquiry for replacements was light. Valonia cups were higher at $67 per ton, exdocks and beards, at $88, same basis. Extract was unchanged at 9½c. per pound, exdock, plus duty.

Wattle — While trading was slow, the market remained steady, reflecting light stocks available for shipment. Shipments were quotably unchanged. Fair average bark was quoted at $103 per ton, and merchantable, $99 to $100 per ton. exdock, South African extract was held at 11⅛c. and East African, 10⅞c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

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Agricultural Chemicals

Index declined slightly last week to 113.53 from 113.57 in the preceding period. Relaxion of stockfeed demand resulted in lower prices for both dried blood and tankage. Steamed bone meal was quiet but sellers refused to lower the price. No additional sales were recorded in hoof meal. Limited offerings of castor pomace were readily taken for fertilizer use. Active inquiry for fish meal subsided and trading was of a spotty character. Production of menhaden meal is about over with fishing operations down and confined mostly to the Gulf coast. Production for eight months ending August 31 was a little more than a year ago for the same period. Nitrogenous process tankage remained definitely in short supply with no indication of easement in sight.

Ammonium sulphate remained tight with production moving readily into consuming channels. Some imported sulphate was offered at prices not far out of line with domestic. Producers in this area have been forced to turn down additional orders for superphosphate owing to the sold up condition of their output. Potash shipments so far this Fall have been satisfactory and producers are looking forward to a good Spring movement.

High grade Florida phosphate rock is not in free supply at present. Japan bought phosphate rock moderately for shipment over the first quarter of 1953. An increase of 3 to 4 percent in costs of fertilizer to farmers next year was predicted by economists of the Department of Agriculture at the 1953 outlook conference of federal and state extension service, the Bureau of Agricultural Economics, and the Bureau of Human Nutrition and Home Economics.

Fertilizer Materials

Ammonium Sulphate—Steady call for shipments from producing plants has prevented any easement in supply conditions. By error we reported imported material at $52 in bags, this should have been bulk ex-vessel.

Bone Meal—Demand has quieted down for the steamed grade with the stockfeed trade showing relatively little interest. Sellers, however, still named $75 per ton f.o.b. the works.

Castor Pomace — Limited offerings found a ready market at $37.25 per ton, works. Production has continued down with fertilizer demand active.

Dried Blood—Priced lower at New York with sellers at $7.75 per unit of ammonia. Chicago was unchanged at $8. Feed demand was off in this area.

Fish Meal—It is stated that about all the menhaden meal produced along the Atlantic and Gulf coasts has been sold at the full ceiling price of $135.60 per ton for 60 percent. Most of the fishing operations are now over for the season and the market situation is relatively quiet. August production of fish meal and scrap was placed at 36,303 tons, compared with 35,844 for the same month in 1951 by the Department of the Interior. Production for eight months ending August 31 amounted 134,001 tons, against 133,289 for the same period in 1951. Output of menhaden meal and scrap in August was 26,907 tons, compared with 26,300 in August, 1951. Output for eight months ending August 31 was 93,280 tons, against 86,896 for the same time last year.

Hoof Meal—Demand and offerings continued light. Chicago sellers named $7 per unit of ammonia without attracting consumer interest.

Phosphate Rock—High grade Florida rock leaned toward the tight side with some producers in better shape to make shipments than others. Moderate purchases were made by Japan for shipment during the first quarter of 1953.

Potassium Muriate—Contract shipments have continued heavy and it is apparent that the Fall shipments will average well up to the trades' expectations. Producers also look for a good Spring movement.

Four private firms in Spain produce annually about 160,000 metric tons of potash and the output may reach 200,000 tons by 1960. The Instituto Nacional de Industria (INI) has organized a firm known as Fodina, S.A., to exploit reserves in Catalunya and expects some production by 1955 and an output of 75,000 tons by 1960. It has not been definitely decided to continue work on the Navarre deposits, but INI is considering the development of two independent shafts which could produce 200,000 tons of potash by 1960. This would bring total production to 475,000 tons, and it might be increased to 600,000 tons, although INI states that these plans are only projects.

Sodium Nitrate—Seasonally quiet with prices fully sustained. Stocks being built up at supply points for Spring shipment.

Superphosphate—Attempts to increase contract commitments in this area are not meeting with consideration at present. Some Baltimore producers appear to be in better shape. Foreign super is said to be available but not to the same extent as noted during the Summer months.

Tankage—Relaxation in stockfeed demand was promptly reflected in prices. The market was lower here at $7.50 per unit of ammonia and also at Chicago, where sellers named $8.50.

Market Trends

Prices Advanced

None

Prices Reduced

Blood, dried 25c. per unit of ammonia. Tankage, 50c. per unit of ammonia, New York, 25c. Chicago.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 3, 1951
113.53	113.57	113.56	113.31

(*For Current Prices see Page 9*)

Los Angeles Market

Los Angeles.—Normal fall season activities remain the prime business on the local market the past week with trading moderate. Supplies appeared adequate for the present with exception of ammoniated superphosphate, reported in short supply. In general the superphosphate market has been tapering off and the existing shortage has not been particularly felt by consumers, inasmuch as supplies were adequate for the bulk of fall business. The organic market showed further signs of softening with offerings of blood meal at $6.75 per unit and actual sales 25c. to 50c. lower. With local production of fish meals being applied on contract, trading in futures remained light with quotations at full ceiling.

Ruling prices were:—Ammonium nitrate—$85.30 per ton, domestic, f.o.b. Los Angeles, $86.84 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$76.14 per ton in bags, 16/20 grade, f.o.b. Los Angeles. $100.64 per ton in bags, 11/48 grade, f.o.b. Los Angeles. Both Canadian material.

Ammonium sulphate—$54.87 per ton in bags, f.o.b. Los Angeles. $3 less for bulk. Canadian material same.

Blood meal—$6.25-$6.50 per unit of ammonia at source. Bone meal—$80 per ton, imported, 1/65 meal, c.i.f., Los Angeles Harbor. Domestic—$90-$92 per ton, f.o.b. Los Angeles.

Calcium nitrate—$48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Castor pomace—$37.25 per ton, f.o.b. Los Angeles.

Fish meals—$146.90 per ton, 65 percent sardine, f.o.b. Monterey or Los Angeles. $135.60 per ton, 60 percent tuna, f.o.b. San Pedro. $158.90 per ton, nominal, 70 percent Alaskan herring, f.o.b. Seattle

Potassium muriate—50½c. per unit in bulk, f.o.b. Trona. Potassium sulphate—95 to 98 percent K_2SO_4, 86c. per unit, f.o.b. Trona.

Pesticides

Market conditions uncovered no important change last week. The tendency is to await some new development while production continues at a low ebb. The Department of Agriculture states that retail prices of some important pesticides are lower than a year ago, while others are mostly unchanged. Prices in 1953, however, for most finished pesticidal preparations and mixtures are not expected to differ greatly from those in 1952. The problems of distributing an adequate supply of finished pesticidal preparations and mixtures to control pests of particular crops or for other specialized uses have become highly complicated. It is no longer possible to manufacture and to distribute all the pesticides needed by farmers within a few weeks before they are used. Plans should be made as early as possible, therefore, to purchase sufficient quantities of pesticides to meet minimum needs. Manufacturers and distributors are dependent upon farmers to make known their needs for pesticides so that the demand may be anticipated in advance of the time of actual use. NPA reported that production of 2,4-D and 2,4,5-T is currently in balance and programmed facilities should be adequate to take care of anticipated demands. The use of sodium chlorate as a defoliant is probably about 10-15 percent of the total agricultural supply and will amount to about 6,000,000-6,500,000 pounds for 1952 and to 7,000,000-8,000,000 pounds for 1953. Supplies of chlorine, phenol and sodium chlorate are better than in balance with requirements.

For Late Market Developments, See Page 4

Pest Control Group Picks New Name for Fungicide

The Interdepartmental Committee on Pest Control, made up of representatives from the Departments of Agriculture, Interior, Army, Navy and Airforce and the Federal Security Agency, has selected "Captan" as a coined name for the fungicidal chemical N-trichloromethylthio tetrahydrophthalimide. The name has also been approved by the American Phytopathological Society and the American Chemical Society, it was said. "Captan" formerly was designated as "SR-406" and "Orthocide."

"Captan" is in the process of being registered by California Spray-Chemical Corporation as a trademark in the United States and in major foreign countries. California Spray-Chemical has taken steps to transfer the name to the supplementary list in the trademark division from the list where it originally was registered for application as a trademark. It was pointed out that, therefore, the name "Captan" is available for use as a common name for designating this chemical.

The committee has also revised its position regarding the use of lindane, DDT or mixtures of the two in insecticide vaporizers. The statement, which supersedes that of more than a year ago by the group on the subject, is based on additional data, it was said.

Soil Conditioner Trade Practices Parley Asked

Richard A. Snelling, president of Henry A. Dreer, Inc., Philadelphia, has announced that his firm has filed a petition with the Federal Trade Commission for a trade practices conference to include all members of the chemical soil conditioner industry. James A. Horton, director of the FTC's bureau of industrial cooperation, under whose jurisdiction such industry meetings are conducted, will discuss the advantages to the industry of cooperation under FTC auspices, at the first national soil conditioner conference, sponsored by Dreer and to be held at the Plaza hotel, New York, on November 10th.

X-Ray Tools Use Described

A new eight-page booklet titled "Facts and Figures on Three Powerful X-ray Tools for Non-Destructive Analysis" is available gratis from C. J. Woods at the Research and Control Instruments Division of the North American Philips Company, 750 South Fulton avenue, Mount Vernon, N. Y. Diagrams are used to show the principles of operation for the three instruments, data are given on recommended fields of application, and results to be obtained are explained. In addition, the booklet illustrates how the simplest film diffraction unit consisting of the basic X-ray generator plus a camera can be converted to spectrometer and spectrograph use through the addition of these components.

Pacific Guano Company Names Bloxham, Conley

Weller Noble, president and general manager of the Pacific Guano Company, Berkeley, Calif., has announced that George P. Bloxham has been named manager of the company's southern division, succeeding Howard G. Conley.

Mr. Conley, who for the past five years had been manager of the southern division, has been named assistant general manager of the company, with headquarters in Berkeley. Prior to joining Pacific Guano in March, Mr. Bloxham had spent more than twenty-five years in an executive capacity with two other leading fertilizer concerns.

Thurston Chemical Co. Files Stock Offering With SEC

Thurston Chemical Company, Joplin, Mo., has filed a registration statement with the Securities and Exchange Commission covering 40,000 shares of 5½ percent cumulative preferred stock, $25 par value, and 84,130 shares of common stock, $5 par value.

Net proceeds of the sale of the preferred stock and of borrowings under a $1,000,000 line of credit with a group of banks, will be used primarily to erect facilities for the manufacture of triple superphosphate and sulphate of ammonia.

Bureau of Mines Offers Report On Malleable Chromium Metal

A highly refined chromium metal, malleable enough to be forged at extremely low temperatures, has been produced by metallurgists at the Albany, Ore., station of the Bureau of Mines. The bureau has released a report describing how the metal was produced and the malleability tests to which it was subjected. A free copy of Report of Investigations 4905, "Malleable Chromium and its Alloys," may be obtained from the Bureau of Mines, publication distribution section, 4800 Forbes street, Pittsburgh 13, Pa.

Trade Briefs

General Box Company, Des Plaines, Ill., has named Emil Holzwart production manager.

Charles H. Kendall has been appointed general counsel of the Office of Defense Mobilization.

Rockwell Manufacturing Company, Pittsburgh, Pa., has appointed Robert J. Sarraf chief chemical engineer and Howard J. Evans chief engineer in the meter and valve division.

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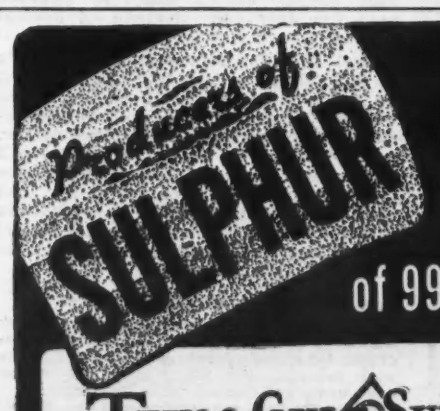

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About the author . . .

Dr. de Ong brings to this book a vast knowledge of entomology and the insecticide industry born of 33 years of close association with laboratory and industrial research development. He was in charge of entomology at University Farm, Davis, California, where he taught research and extension work in insect control and insecticides. Then for seven years, he was director of the Insecticide Laboratory of the University of California at Berkeley.

For the past twenty years, during ten of which he acted as Secretary-Treasurer to the Pacific Insecticide Institute, his consulting work for many of the largest companies in the country has kept him in close touch with major problems, research and new developments, and has earned him an outstanding reputation. In addition to his many technical papers and bulletins, his long association with growers, manufacturers and officials, and his establishment of the industry advisory committees among manufacturers throughout the United States for the O.P.A., Dr. de Ong has written many amendments to the laws pertaining to insecticides in the western states.

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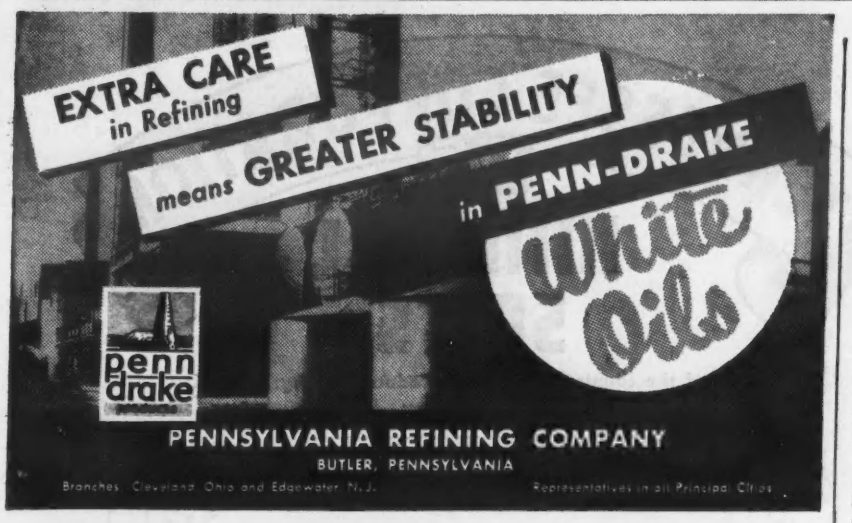

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Petroleum Derivatives

A price increase of one-eighth cent per gallon for number two furnace fuel oil in the group three area was the only price change in the petroleum market during the past week. Movement in fuel oils continued slow in most areas and stocks were generally high, although a spell of colder weather could change this situation quickly. Demand for liquefied petroleum gases has not been held back by the weather, however, for orders were reported being placed in sufficient volume to put butane in a slightly tight supply position in the East. In other areas demand for both butane and propane was good and large amounts were already spoken for by consumers.

Toluol was in a tight position, as available supplies were drawn upon by both military and industrial consumers. Production of xylol was well maintained, in spite of the fact that some facilities were turned to the production of toluol. The intermediate aromatic solvents remained in good demand and were available in quantities to satisfy the needs of the market. Higher boilers, too, were in a comfortable supply situation.

The wax market, which has turned stronger in recent weeks, continued to note a brisk demand from consumers. Adequate production and inventories, however, assured those requiring various grades of either microcrystalline or paraffin waxes that satisfactory shipping schedules could be maintained. Petrolatum was found in good supply, enabling manufacturers to fill orders with ease.

Solvents and Diluents

Cleaners' Naphtha — A supply of the material sufficient for current needs was said to be available on the market. Consumer demands of late have been consistent with the trend in the recent past, during which time the market requirements have taken most if not all of current production. Manufacturers were able in the week just past to keep abreast of the demand and to maintain satisfactory shipping schedules. There were no revisions in existing prices.

Mineral Spirits—A continued good production kept the material in adequate supply for the demands of the consuming market. Orders could be handled easily without any noticeable difficulty on the part of manufacturers, it was reported in the trade, and most orders were filled without delay. The good interest in the material on the part of the consumer prevented any sizable buildup in stocks. Prices existing previously remained in effect.

Solvent Naphtha — A lively consumer interest was shown in high solvency naphthas, as manufacturers reported an increased volume of orders. The current good activity in this market gave evidence, informed sources believed, of continuing throughout the fourth quarter. The 100° and 150° material were reported by the makers to be in good demand, with greater interest shown in the latter. Not all demands for this grade of the material could be met from current production, it was learned, and shipments, as a result, could not be made to everyone showing an interest in the material. The supply situation was easier in regard to the 100° material, as the amounts of the product available from current production were said to be ample to keep pace with current market demands.

Stoddard Solvent — Production was maintained at a good level and was sufficient to put adequate quantities of the material on the market. With consumer interest lively, a good balance was maintained between supply and demand.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended October 18, totaled 266,466,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 263,054,000 barrels for the preceding week, this represents an increase of 3,412,000 barrels comprising an increase of 2,230,000 barrels in stocks of domestic crude and an increase of 1,182,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced

Fuel oil, furnace, No. 2, Group 3, ⅛c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month
104.13	104.12	103.86

(For Current Prices see Page 9)

Prices previously in effect remained unchanged.

Toluol—This material remained in a tight position. Supplies were not able to catch up with demand since the amounts needed by industry and military were greater than the total quantity that current production was able to put on the market. The resulting shortage left some users lacking all or part of the quantity of the material that they needed. Military demands were high, large amounts of the material going to aviation gasoline and for nitration. Sales were made at existing price schedules.

Xylol—The well-defined consumer interest in the material continued undiminished. Manufacturers reported that all of their current production was required in order to satisfy market demands. With the rate of demand high, there was little excess material offered and stocks were estimated as being down somewhat from the level of thirty to sixty days ago.

Lighter Fractions

LPG's—Prices were firm throughout the week as all liquefied petroleum gases remained in good demand. Butane was reported somewhat tight in the East and mid-Western areas, since many consumers were making known their winter needs and placing orders for the amounts to be required in the next few months. Supplies of both propane and butane were thought by manufacturers to be sufficient to satisfy the needs of all of their regular customers. The severity of the winter would be an important factor in the supply situation, since heating was still accepted as their largest use, in spite of the variety of other uses developed in the recent past.

Waxes

Microcrystalline—The material moved in good volume as the industry reported that demand remained fairly sizable. The picture has been brighter for the manufacturer during the fourth quarter and gave evidence of continuing so, as demands continued at an increased rate. All grades of the material were priced at the existing rates.

Paraffin—Demand has picked up, it was reported in the trade, and was setting supply and demand in good balance. Manufacturers reported that there were adequate inventories of material on hand, however, and that they were having no difficulty in meeting the requirements of their customers. Prices remained firm, with no shading in evidence.

Miscellaneous

Crude runs to stills in the United States went to a record high in August when the total for the month averaged 7,118,000 barrels daily, it was revealed by the Bureau of Mines. Runs of foreign crude averaged 631,000 barrels daily, an increase over the July daily average of 589,000 barrels.

Fuel Oil—The recent slow movements of fuel oils showed no tendency to speed up in the past week, when continued mild weather in most areas offered no inducement to buying. A price advance of ⅛c. per gallon for No. 2 fuel in the group 3 section was recorded. This fuel oil was reported to be the strongest of any, and was the only one showing a change in price. Stocks remained high as dealers waited for colder weather to stimulate buying interest.

Los Angeles Petroleum Market

Demand remained steady during the week with little change noted in general market conditions for either solvents or diluents. Supplies were reported adequate to meet present requirements and listings were unchanged.

Brisk demand was maintained for butane over the week with postings unchanged at 4.3c. per gallon, tankcars, f.o.b. Los Angeles, and stocks limited. Propane witnessed more inquiry with quotations at 4.3c. per gallon, tankcars, f.o.b. Los Angeles.

For Late Market Developments, See Page 4

Tidelands Fight Seen Halting Operations in Gulf of Mexico

Oil operations in the Gulf of Mexico are virtually at a standstill because of the tidelands ownership controversy between the federal government and oil-producing states, J. G. Pew, Sun Oil Company vice-president in charge of production, declared last week. Exploration and drilling were going ahead with remarkable success before the government's claim threw the operations into low gear and finally brought them almost to a halt, he told the Pennsylvania Petroleum Association at Mt. Pocono, Pa.

Listing the objections raised by many industry leaders to the government's claim, Mr. Pew asked, "If the government has power to take natural resources in the name of national defense, when and where will this super-federal power end?

"Submerged lands could well mean lands under bays, rivers and lakes as well as under gulfs and oceans. And if the government can claim oil, why not other natural resources as well?"

Mr. Pew also spoke strongly in favor of an adequate depletion allowance for oil producers and for conservation in the oil fields. Percentage depletion, he explained, is simply a lawful deduction designed to encourage investors to risk money in the hazardous business of finding and producing oil.

Desulphurization Process Offered Through Kellogg Co.

A new catalytic desulphurization process, said to be capable of eliminating 90 percent of the sulphur content in sour middle distillates without appreciable product loss, is now available through the M. W. Kellogg Company, New York, a subsidiary of Pullman, Inc., as a result of a licensing arrangement concluded with Anglo-Iranian Oil Company, Ltd., it has been announced by Kellogg's president, Warren L. Smith.

The process, known as "Autofining," was developed by Anglo-Iranian over a period of several years during which time various pilot plants were built to obtain basic operating data. In addition to a semi-commercial unit of 450-barrels-per-day capacity at its Grangemouth, Scotland, refinery, Anglo-Iranian is also operating a 3,500 barrels-per-day plant at its Llandarcy, Wales, refinery.

Socony-Vacuum Creating New Producing Organization

A new producing organization is being created by Socony-Vacuum Oil Company, Inc., New York, to conduct exploration and producing operations in the Williston Basin and in the northern portion of the Rocky Mountain states, and to coordinate activities in this area with those conducted by the Socony-Vacuum Exploration Company, a wholly-owned affiliate operating in western Canada. Operations will be handled from Casper, Wyo., until location of permanent headquarters is decided upon.

W. W. Clawson, presently chief geologist of Magnolia Petroleum Company, will be general manager of the new organization. A. F. Barrett, now manager of the Rocky Mountain division of General Petroleum Corporation, at Casper, will be next in charge and manager of production.

NPC Adds Brigance

Appointment of F. W. Brigance, newly elected president of the American Association of Oil Well Drilling Contractors, to membership on the National Petroleum Council has been announced by deputy petroleum administrator J. Ed Warren. Mr. Brigance succeeds A. W. Thompson, retiring president of the association.

Military Fuels Group to Meet

The second meeting of the military fuels general advisory committee will be held at Chicago on November 12, acting deputy petroleum administrator C. E. Davis has announced. The committee, which will meet at 2 p.m. in the Conrad Hilton hotel, will discuss the aviation gasoline program, jet engine fuels, and other subjects. W. W. Keeler, director of the refining division of the Petroleum Administration for Defense, is chairman of the twenty-five member committee.

Kellogg Co. Names Multhaup Mgr. of Product Engineering

The appointment of Robert H. Multhaup as manager of the product engineering department of the M. W. Kellogg Company, New York, has been announced by Ronald B. Smith, vice-president in charge of engineering. In this capacity, Mr. Multhaup will be in charge of the design and engineering of all fabricated products.

Mr. Multhaup joined the company, last year as project engineer on rocket design work. For eight years previously he was engaged in development work for the Elliott Company where, as manager of the laboratory, he pioneered in the design of gas turbines for marine and locomotive use.

PAD Appoints Consultants To Study Crude Oil Output

The Petroleum Administration for Defense has announced the appointment of six consultants to advise the agency in connection with its continuing investigation of crude oil productive capacity in the United States. The consultants are:—

Minor S. Jameson, Independent Petroleum Association of America; Stewart Buckley, Humble Oil & Refining Company, Houston, Tex.; Everett Trostel, DeGolyer & MacNaughton, Dallas, Tex.; Earl Neal, Standard Oil Company (New Jersey), New York; Edmond C. Babson, Union Oil Company, Los Angeles, and Paul Schultz, Stanolind Oil & Gas Company, Tulsa, Okla.

Ind. Standard Names Three

R. O. Traylor, assistant director of industrial relations of Standard Oil Company (Indiana), Chicago, has been appointed to a new position as manager of the industrial relations division in the general office manufacturing department. E. G. Wiley and P. T. Oak have been appointed assistant general superintendents of Standard's Whiting, Ind., refinery. Mr. Wiley has been superintendent of the asphalt division at Whiting. Mr. Oak has been assistant superintendent of the heavy oils division at Whiting.

Esso Honors Saltzman

Auguste L. Saltzman, assistant manager of the solvents department of the Esso Standard Oil Company, New York, was honored last week on his thirtieth anniversary with the company. He was presented with a service emblem with two diamonds by J. C. Frendlich, manager of the department, at a sales meeting held at the Dorset hotel. Mr. Saltzman joined the company in 1922 as an assistant in the lubrication engineering department at the Bayway refinery, Linden, N. J. The following year he was shifted to the New Jersey sales division where he was later promoted to various posts in this field until 1945 when he was named assistant manager of the solvents department.

Trade Briefs

Tide Water Associated Oil Company has acquired the tire trade-name "Federal".

Deep Rock Oil Corporation, Tulsa, Okla., has added George W. Jandacek to its research and development department.

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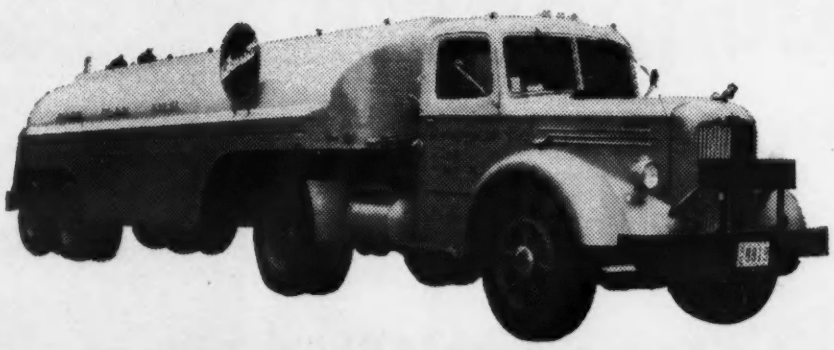

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Boston .....Malden 2-7460
Cleveland .....Cherry 1-5943
†Los Angeles .....Mutual 7948
St. Louis .....Lockhart 6510
Indianapolis ....Garfield 2076
Newark .....Mitchell 2-0960
†Buffalo .....Regent 3750

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Coal Chemicals

This market was relatively inactive pricewise last week. The only change in schedules reported was a fractional reduction for imported naphthalene which resulted in the establishment of a ¼ cent spread in the range of quotations.

Producers felt that the improvement noted in demand for most of the basic chemicals and intermediates covered in this market, has come about as a part of generally improved business conditions (over slow summer levels). The gradual recovery of the textile industry has resulted in a pickup for dyestuff intermediates. The steady rate of production of appliances, automobiles, and refrigerators has been reflected in the markets for toluol and phthalic anhydride. A pickup in phenolic resins and adhesives has improved the market for phenol. Plasticizers have also brightened the outlook for phthalic anhydride.

The light oils have been moving very well for several months. Toluol was in tight supply as a result of the combined demands from industry and the government. Nitration toluol and toluol for aviation gasoline were being required in subsantial volume to keep supplies moving to our armed forces in Korea. The cresols and cresylic acid have shown some increases, as requirements for cresylic resins picked up. Pyridin was still in tight supply.

Benzaldehyde has been fairly steady. Dicyclohexylamine has picked up somewhat. There has been some improvement in the number of calls for benzoic acid. Salicylic acid also has picked up a bit. Demand was currently fair.

The American Iron and Steel Institute announced that the industry operated at a record rate for the week ending October 25, when 2,221,000 tons of steel for ingots and castings were produced. The scheduled operating rate for the week ending November 1, was 105.9 percent of theoretical capacity. This was equivalent to 2,199,000 tons, compared with the record rate the previous week, and 2,195,000 tons one month ago.

Market Trends

Prices Advanced
None
Prices Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Nov. 3, 1951
113.50	113.50	113.56	111.97

(*For Current Prices see Page 9*)

Basic Products

Benzol—Producers reported that the market was currently in a fairly tight supply position. Demand has seen some improvement in the past month or more and producers felt that the present levels would be sustained for the rest of the year. The market was not so tight that consumers found difficulties in obtaining enough material for their immediate use, but suppliers moved all of their output just about as fast as it was produced.

According to the Department of Commerce, a fertilizer factory at Sindri, India, will establish its own cokeovens at an estimated cost of 23,500,000 rupees (1 rupee equals US$0.21). A contract for construction has been placed with a German firm. The ovens will have a daily capacity of 600 long tons and will reduce production costs of the Sindri factory. The plant will also be used as the nucleus of other industries which will produce basic coal chemicals.

Creosote—There have been some signs of slightly more activity in this market lately. Producers reported that the material was moving fairly well. There were no particular problems with supply. Prices have held to their previously established levels.

Cresols—There has been some improvement in this market in keeping with an increase in activity in cresylic resins. Producers have reported that the number of calls for these tar acids have picked up in the past several weeks, however some sources felt that the increases still leave more to be desired. Supplies were ample to take care of consumer requirements. Prices were unchanged.

Cresylic Acid—There was no significant change in this market during the past week. Prices held to their old levels. Supply was adequate for the current demand. Producers have reported a little more activity in this market in recent weeks, however some of the early optimism was watered down a bit. At least one source felt that the pickup was not going to be as strong as it first appeared, unless there was further improvement in cresylic resins and other outlets.

Imported ADF acid has been moving rather slowly. Although some pickup was reported in the past month or so, importers feel that cresylic acid could move a lot better than it is now. Suppliers differed in their opinions as to why ADF acid was not moving better. One source stated that it was a matter of price. Consumer inventories were adequate and buyers were being selective about price and quality. Another source stated that it was largely a matter of importers without direct associations with foreign producers being unable to get cresylic acid at a price which would allow them to resell the material at 85c.

Importer inventories were cut down, and the price was firm, a source stated. Another importer said that some changes in the sales conditions were to be expected around the first of the year, which might force some importers to sell ADF material for a few cents more than current levels.

Naphthalene—There has been no significant change in the market for crude material. Producers said that there have been no signs of a pickup yet, but there was no particular pressure because of the slow demand. Refined naphthalene has been moving quite well, particularly because of the demand from betanaphthol and other intermediates, it was said. The improvement in intermediates was partially a result of the pickup in textile dyestuffs. The better outlook for phthalic anhydride has not resulted in much more buying of crude naphthalene.

Imported 78-degree material continued to find slow going last week. Very little hot-pressed material has been moving and the price has shown some more weakness. Price schedules of imported 78-degree material were quoted at ¼c. lower. Current schedules of importers were within the range of 4c. to 4¼c. per pound.

Phenol—Increased activity in the market for natural and synthetic material was reported by producers last week. One source stated that the pickup in natural phenol looked a little stronger than increases in the other tar acids, even though the cresols and cresylic acid were showing improvement before there was any sign of a pickup in phenol. Phenolic resins have been moving well since the beginning of September. Phenolic adhesives have also shown more activity.

Prices held to their old levels. Some producers felt that recent reductions in synthetic material, which established a single competitive price, have stimulated some of the buying. Much of the increased activity has been the result of a general improvement in business.

Pyridin — The market remained fairly tight, however, there were some slight indications that some of the pressure on producers was reducing a bit. The outlook for the rest of the year was unchanged by any indications of a slightly easier tone. Supply was expected to remain short of the overall demand.

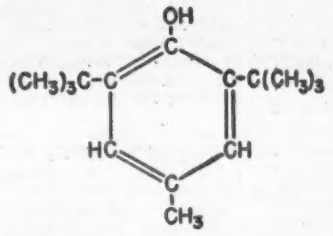
The improvements in the pyridin picture were seen in the easier tone in the isoniazid market and reductions in the resale price of pyridin. Although the original flurry of activity connected with the TB drug aided in tightening the market for 2-degree pyridin and most other tar bases, it was not expected to greatly change the current short supply condition of pyridin if isoniazid drops off some. The drug was expected to settle down to a level justified by its own merit. Consequently, demand from this direction will

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending November 1, was as follows:—

Ammonia liquid, NH_3	lbs.	1,016,812
Ammonium sulphate	lbs.	36,587,612
Benzol	gals.	3,629,374
Coaltar	gals.	16,310,140
Creosote oil	gals.	675,915
Naphthalene, crude	lbs.	2,600,806
Pyridin, refined	lbs.	30,857
Toluol	gals.	711,181
Xylol	gals.	191,020

For Late Market Developments, See Page 4



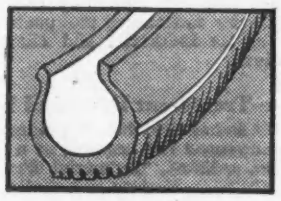
DBPC

DI-tert-BUTYL-para-CRESOL

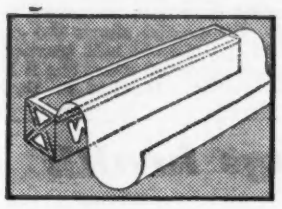
is a highly-effective antioxidant

in these fields

RUBBER DBPC is useful as a "non-coloring" and a "non-staining" rubber antioxidant, because it causes little or no discoloration of white or light-colored rubber products, even after prolonged exposure to light, heat and air.

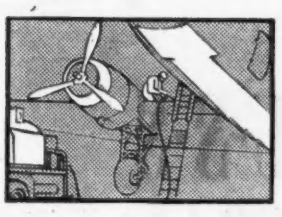


WAXED PAPER Fractional percentages of DBPC (0.01 to 0.05) in the wax bath retard oxidation and increase stability of color and odor. DBPC greatly increases the life of wax even at temperatures up to 300°F.



PETROLEUM DBPC is an excellent antioxidant for high-grade lubricating oils for low-temperature service such as spindle oils, greases, waxes, etc., and for such oils as turbine oils and transformer oils. In these oils, it inhibits the formation of gums and acidic products which are formed due to oxidation.

DBPC is also one of the most effective inhibitors for the reduction of gum formation in aviation gasolines, where it is important to effect the inhibition without the production of undesirable deposits of residues in carburetors.



● Koppers 2,6 Di-tert-butyl-para-cresol (DBPC) is a tri-alkylated phenol in flake form, easily soluble in common organic solvents. Being a hindered phenol, it undergoes few of the reactions typical of unhindered phenols, such as phenol and meta-cresol.

Koppers DBPC is an oxidation inhibitor that is non-staining and non-corrosive; it is insoluble in aqueous solutions of acids or alkalis. In the rubber, petroleum and waxed paper fields, DBPC has proved its value as a highly-effective antioxidant.

FOR FURTHER INFORMATION, write for your copy of Bulletin C-0-115. It describes in detail the properties, reactions and uses of DBPC.

WRITE TO:
Dept. OPD-11-3 for your copy of Bulletin C-0-115.

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still have some effect in the pyridin market. Furthermore, a variety of other end uses for 2-degree material have long been enough to keep this tar base in tight supply.

Toluol — The combination of government requirements and increased industrial demand have tightened this market sufficiently in the past few months to lead producers to believe that supply will fall short of demand for a good many months more. Government requirements of T.N.T. and aviation gasoline have been substantial since the settlement of the steel controversy, so much so, that they were enough to tighten the market up while industrial demand was still at low summer levels. In addition, industrial users have increased their requirements in the past month or so. The solvent use of toluol was picking up along with the improvement of industrial finishes applied to finished products. Automobiles and appliances have been moving well lately. The use of toluol in lacquers has also picked up.

Xylol—There has been no significant change in this market during the past week. Producers were moving all of their production. Prices remained at their old levels. It was felt that the market for xylol would remain just about the same as it has been for the past month or more, with supply and demand fairly well balanced.

Intermediates

Benzaldehyde—The market for this aldehyde was described as fairly steady. The sales levels were generally fairly consistent. It was said that there was some drop-off about four months back, but the market has held its own pretty well since that time. Prices have remained at previously established levels. Supplies were sufficient to take care of the current levels of consumer demand.

Benzoic Acid — There has been some pickup in the market for this intermediate, as the general level of intermediate sales has shown some improvement. Prices were steady at previously established levels. Supplies were adequate for consumer requirements.

Dicyclohexylamine — The producer of this material reported that there has been a decided pickup in this market as the development of a new use came to light. The amine is used to make dicyclohexyl ammonium nitrite which has been discovered to have unusual rust inhibiting properties.

Orthochlorobenzaldehyde — There have been no significant changes in this market. It was said that the uses of this intermediate were relatively steady and producers did not anticipate drastic changes one way or the other. Supply was adequate to meet the needs of consumers. Prices were steady.

Parachlorobenzaldehyde — The market for this intermediate was said to be similar to ortho. Demand for para was generally considered to be rather steady. Prices have remained at their previously established levels. Supplies were adequate.

Phthalic Anhydride — Producers were encouraged by the significant improvement in the market for this anhydride. Plasticizers and alkyds resins were two outlets which have shown a greater number of calls for phthalic. Alkyds resins have been moving well since the improvement in industrial finishes was apparent after the shortages of the steel strike were relieved. Protective coatings used on appliances have shown an increased need for phthalic anhydride. However, the pickup of plasticizers was felt to be an outlet which has shown more improvement, insofar as this market is concerned.

Salicylic Acid—Most producers reported that demand for this intermediate was fair. One source stated that there had been a little pickup in the beginning of September and the market was holding pretty well to those levels. Supplies were adequate for current requirements of consumers. Prices have remained at their old levels. No changes in the schedules were anticipated. There has been some pickup in the dyestuffs grade as a result of the gradual improvement in the textile industry.

Trade Briefs

The Office of Economic Policy of the Office of Price Stabilization has named Aaron S. Sabghir and Benjamin Goldberg division heads.

Ralph S. Howe has been appointed special assistant to the Defense Production Administrator on machine tools and long lead time production equipment.

Continental Can Company has received an award for the best annual report in the food container industry from the judges of the *Financial World* survey of annual reports.

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TOLUOL
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Berkshire Chemical Appoints Hennessey Vice-President

Announcement has been made that John H. Hennessey has joined Berkshire Color & Chemical Company of Delawanna, N. J., as vice-president. Mr. Hennessey spent twenty-nine years with the General Dyestuff Corporation in Philadelphia and Charlotte. For the past twenty-six years he was employed in the technical department of that firm in New York, and for the past thirteen years as head of the vat colors department.

Phila. Chemical Club Golfs Wed.

The final golf outing of the Philadelphia Chemical Club will be held at the Cedarbrook Country Club Wednesday. This Blaw-Knox cup will be awarded at this time.

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Phila. & Reading Names Dr. Day Research Head

Edward G. Fox, president of the Philadelphia & Reading Coal & Iron Company, has announced the appointment of Dr. Robert J. Day to the newly-created post of director of research. Mr. Fox described the creation of the new post as another step in the development of the company's long range experimental and research program. A major objective of this program, he said, is to broaden the use and yet ultimately conserve anthracite by increasing the useful knowledge of its industrial and chemical applications.

Waste Treatment Described by B-I-F

B-I-F Industries, Inc., Providence, R. I., has announced the issuance of a new publication, entitled, "Industrial Waste Treatment Guide." Known as bulletin No. 4, it contains three tables. The first shows the different types or combinations of unit treatment processes for more than fifty wastes, the second shows the equipment used in the several unit treatment processes and the third shows the B-I-F equipment available for use in these waste treatment processes. The bulletin contains a two-page spread-flow diagram showing how the various treatment processes and equipment may be combined to treat mixed wastes. Installation photos of equipment are also included. Copies of the bulletin may be obtained by writing B-I-F at 345 Harris avenue, Providence.

Koppers Promotes Tierney In Tar Products Division

Appointment of John T. Tierney, jr., as midwestern district sales manager for the tar products division of the Koppers Company, Pittsburgh, Pa., has been announced by J. C. Macon, jr., sales manager of the division.

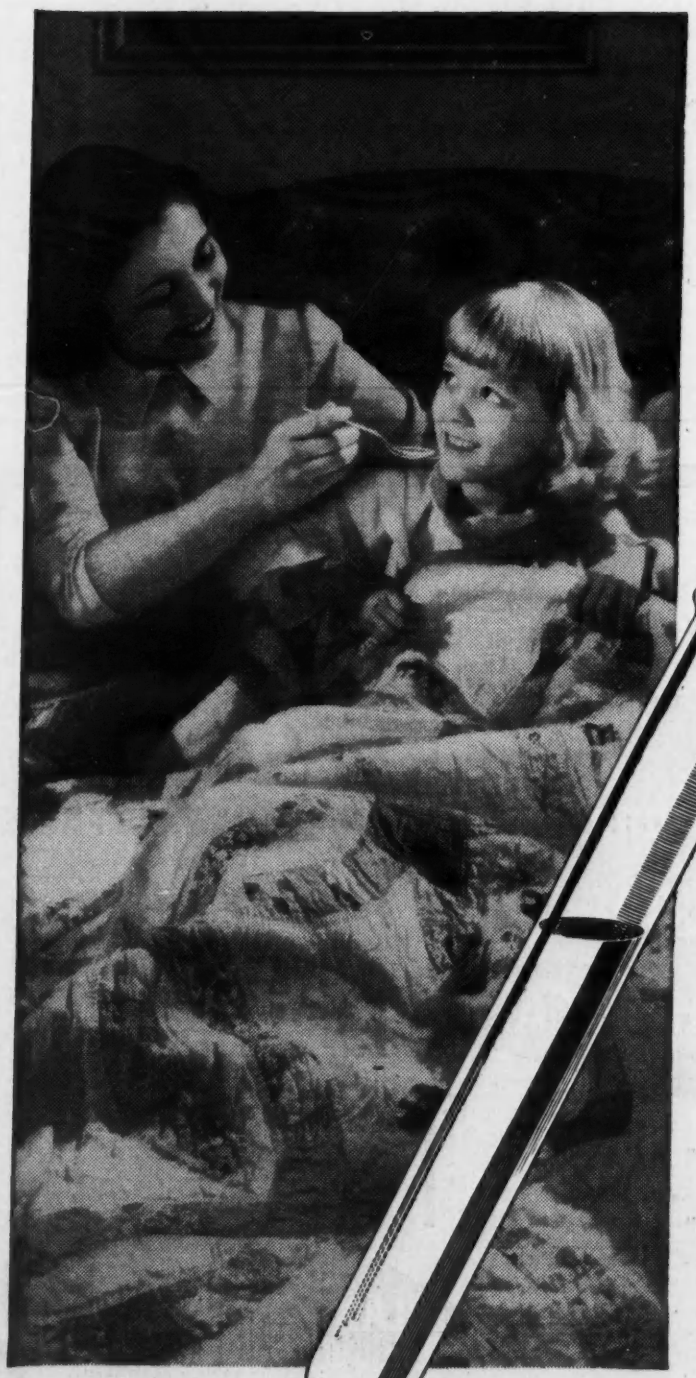
Mr. Tierney, who had been assistant manager of midwestern district sales since June, 1949, will replace W. O. Boyd, who is retiring at his own request after thirty-five years service with Koppers.

Mr. Tierney began his career with the Mellon Securities Corporation. He joined Koppers on the staff of the central control section in 1946, and was named administrative assistant to the sales manager of the tar products division in 1948. The following year he was appointed assistant manager for midwestern district sales of the division. Headquarters for his new post will be in Chicago. Mr. Boyd joined the sales department of the American Tar Products Company, which later became a part of Koppers, in Chicago in 1918. From 1919 to 1925 he was a Chicago salesman for American Tar Products, before assuming the post of midwestern district sales manager for Koppers.

Glennan Quits AEC

T. Keith Glennan resigned last week as a member of the Atomic Energy Commission after two years service to resume his duties as president of the Case Institute of Technology. No successor was appointed immediately by President Truman.

When a miracle medicine brings health in a hurry...



U·S·S COAL CHEMICALS are in the picture

● This generation has been blessed by an amazing succession of discoveries in the medical and pharmaceutical fields that have practically conquered many diseases previously considered "killers." One of the earliest and most important discoveries was the sulfa family.

U·S·S Pyridine that goes into the manufacture of the sulfa drugs is typical of the almost countless applications of U·S·S Coal Chemicals. The complete line of U·S·S Coal Chemicals also includes Benzol, Toluol, Xylol, Phenol, Cresol, Cresylic Acid, Naphthalene, Picoline, Creosote Oil and Ammonium Sulphate.

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U·S·S COAL CHEMICALS USS
UNITED STATES STEEL

Current Prices

—Continued from page 35

white seal, bgs., c.l., dlvd.	lb.	.16½-	—
l.c.l., dlvd	lb.	.17½-	—
USP, ctns., c.l., dlvd	lb.	.17½-	—
l.c.l., dlvd	lb.	.18½-	—
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.			
Phenosulphonate, NF, gran., dms.	lb.	.39	—
powd., dms	lb.	.42	.49
Resinate precip., dms., frt. alld.	lb.	.26¾-	—
	lb.	.26¾-	—
Silicofluoride, bbls., works	lb.	.12	.13
Stearate, tech., USP, ctns., c.l.	lb.	.37	—
ton, lots	lb.	.36	—
less ton lots	lb.	.39	—
Sulphate cryst., 22% Zn, bgs., c.l., works, frt. alld.	100 lbs.	7.30	—
l.c.l. same basis	100 lbs.	7.70	—
flake, 25½% Zn, bgs., c.l., works	100 lbs.	6.55	—
l.c.l., works	100 lbs.	6.90	—
powdered, 36% Zn, bgs., c.l., frt. alld	100 lbs.	9.25	9.95
l.c.l., same basis	100 lbs.	10.00	10.70
Zinc sulphate in bbls., 40c higher.			
USP, gran., dms	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd	lb.	.2530-	—
fluorescent, fib., dms., less than 1,000 lbs., works	lb.	1.10	1.90
phosphorescent fib., dms., less than 1,000 lb. lots, works.	lb.	1.85	2.50
Undecylenate, dms	lb.	2.25	2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.05	—
l.c.l., works	100 lbs.	9.45	—
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180-	.1360
l.c.l., same basis	lb.	.1220-	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½-	—
l.c.l.	lb.	.26	.41⅛
normal, dms., l.c.l., works	lb.	.52	—
Zircon, (G), granular, bgs., c.l., works	lb.	.03¼-	—
5 tons to c.l., works	lb.	.03⅜-	—
1 ton to 9,999 lbs., works	lb.	.03⅜-	—
500 lbs. to 1,999 lbs., works.	lb.	.04	—
less than 500 lbs., works	lb.	.06½-	—
milled, bgs., c.l., works	lb.	.04¼-	—
5 tons to c.l., works	lb.	.04¼-	—
1 ton to 9,999 lbs., works	lb.	.04¼-	—
500 lbs. to 1,999 lbs., works.	lb.	.05	—
less than 500 lbs., works	lb.	.07½-	—
Zircon (G) in barrels, ¼c. higher.			
Zirconium acetate 13% sol ZrO_2, c.l., 30,000 lbs., minimum	works lb.	.23	—
Carbonate basic, cake bbls.,	works lb	No prices.	
Hydride, cns., works	lb.	7.50	10.00
Nitrate, dms., ex whse	lb.	4.50	7.00
Oxide 98½-99% white grd., bbls. or bgs., works	lb.	1.50	—
lump electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½-	—
1 ton to 9,999 lbs., works	lb.	.45	—
500 lbs. to 1,999 lbs., works	lb.	.45½-	—
lump, electric-fused, bgs., less than 500 lbs., works	lb.	.48	—
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½-	—
1 ton to 9,999 lbs., works	lb.	.60	—
500 lbs. to 1,999 lbs., works	lb.	.60½-	—
less than 500 lbs., works	lb.	.63	—
Oxychloride, cryst., ctns., 5 tons, works	lb.	.32¼-	—

Cyanamid Appoints Three In Heavy Chemicals Dept.

J. D. Lowery, manager of the heavy chemical department of American Cyanamid Company, New York, has announced the appointment of three district managers.

Named eastern district manager was J. A. Leek, formerly New York metropolitan district manager for the industrial chemicals division. With headquarters in New York city, he will supervise heavy chemical sales in New England and other Atlantic seaboard states extending as far south as the west part of Virginia. Serving as southern district manager is E. J. Adams, formerly a sales representative for the industrial chemicals division. He will supervise heavy chemical sales in an area extending from Richmond, Va., to and including Texas and Oklahoma. Mr. Adams' headquarters will be in Charlotte, N. C.

W. H. Leon, formerly a sales representative for the industrial chemicals division in the mid-west, was named western district manager for the heavy chemicals department. Mr. Leon, with headquarters in Chicago, will supervise sales of the department in the middle and far west.

Monsanto Reassigns Two

Monsanto Chemical Company has named Dr. Edward Orban chief of the research divisions' technical information section at its Mound laboratory, Miamisburg, Ohio, and has shifted Donald J. Haefele to the patent department of its organic chemicals division, St. Louis, Mo. Dr. Orban joined the Mound laboratory staff in 1946 and has been a group leader since 1948. Mr. Haefele has been a patent attorney at Monsanto's central research department at Dayton, Ohio, since 1947.

Bids Wanted

Acid, 2,808 1-lb. bots. nitric acid, 2,592 bots. uric acid, 1 gm., Armed Service Medical Procurement Agency, 84 Sands St., Brooklyn 1, N. Y., inv. 577, Nov. 7 and 4,032 1-oz. bots. trichloracetic acid, inv. 617, Nov. 12, and 9,216 pkgs. of 25 folic acid tablets, inv. 588, Nov. 10.

Alcohol, 1,320 5-lb. bots. stearile alcohol, Armed Services Medical Procurement Agency, 84 Sands St., Brooklyn 1, N. Y., inv. 579, Nov. 6.

Aluminum, 116,015 lbs. powdered aluminum, Dallas Chemical Procurement District, 1200 Jackson St., Dallas 2, Texas, inv. 18, Nov. 14.

Calcium Chloride, 340,000 lbs. Navy Purchasing Office, 111 E. 16th St., N. Y. 3, N. Y., inv. 1139-B, Nov. 7.

Chloroquine Phosphate, 6,000 bots. of 1,000 tablets, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 300-N, Nov. 7.

Diphenhydramine hydrochloride, 58,656 bots. of 100 capsules, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 309-N, Nov. 10.

Diphenylamine, 10,000 lbs., Picatinny Arsenal, Ordnance Corps, Dover, N. J., inv. 88, Nov. 12.

Drugs and Chemicals, 14,000 lbs. acetylene, tetrachloride, Procurement Office, Chicago Chemical Corps, 226 W. Jackson Blvd., Chicago, Ill., inv. 32, Nov. 19; 5,000 gals. methyl-ethyl-ketone, Procurement Office, New York Chemical Corps, 180 Varick St., N. Y. 14, N. Y., inv. 42, Nov. 17, and 600 lbs. sodium salt of 2,4-D containing 82.5% acid equivalent, 6,000 lbs. polyborochlorate, 1,200 lbs. sodium trichloracetate, inv. 46, Nov. 21.

Phosphoric acid, 250 7-lb. units, 32,000 lbs. sodium hydroxide, 100 lbs. tributyl citrate, 1,800 lbs. potassium hydroxide pellets, Chemical Corps, Camp Detrick, Frederick, Md., inv. 60, Nov. 20 and 30,000 lbs. cerelose tech. (refined corn sugar), inv. 70, Nov. 20; 207,360 bots. benzalkonium chloride tincture, 3,840 bxs. of 12 ergonovine maleate injections, 8,880 bots. heparin sodium injection, Armed Services Medical Procurement Agency, 84 Sands St., Brooklyn 1, N. Y., inv. 525, Nov. 13, and 3,168 bots. lithmus 25 gms., 216 bots. methylene blue 10 gms., 432 bots. methyl blue 10 gms., 324 bots. methyl green 10 gms., 192 bots. methyl violet, 2B, 10 gms, 384 bots. nigrosin, 10 gms., 384 bots. orange G, 10 gms., 384 bots. phloroglucinol 10 gms., inv. 575, Nov. 7.

Thimerosal, 1,416 ¼-oz. bots., 5,160 1-lb. bots. sodium sulfate, 3,960 5-lb. bots. xylene, 6,192 1-lb. bots. zinc sulfate, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 577, Nov. 7, and 4,320 bots. of 100 nephenesin tablets, 13,320 bots. of 50 nitromersol tincture, 48,960 4-oz. bots. benzalkonium tincture, 53,568 bots. oleovitamin A and D, concentrated, 50 cc, inv. 580, Nov. 7 and 2,000 10cc bots. insulin injection protamine zinc, inv. 568, Nov. 7.

Acriflavine, 192 1-oz. bots., 192 bots. creatinine zinc chloride 10 gms, 768 bots. p-dimethylaminobenzaldehyde, 576 bots. dimethyl-p-phenylphenylazo-diamino-pyridine hydrochloride tablets, 4,032 bots. of 100 secobarbital sodium capsules, 3,840 bots. of 500 same, inv. 574, Nov. 7 and 480 1-gal. bots. enediamine hydrochloride 10 gms., Armed Services Medical Procurement Agency, 84 Sands St., Bklyn 1, N. Y., inv. 571, Nov. 12 and 384 ¼-lb. bots. maltose, 624 tubes osmium tetroxide 1 gr., 1,152 ⅛-oz. bots. scopolamine hydrobromide, 288 bots. precipitated silver iodate 50 gms., 384 1-oz. bots. sodium pyrophosphate, 3,264 ¼-lb. bots. sodium thiosulfate, 2,112 ¼-lb. bots. sulfurated potash, inv. 576, Nov. 10, and 16,572 1-lb. cans sodium bicarbonate, inv. 579, Nov. 6, and 13,752 2½-lb. cans magnesium sulfate, inv. 607, Nov. 12 and 4,416 bots. of 12 tetrachloroethylene capsules, inv. 609, Nov. 10.

Neostigmine methylsulfate injections, 3,600 bxs. of 12, 240 bxs. of 100 vasopresin injections 1cc, 1,200 ampuls sodium formaldehyde sulfoxylate 10 gms., Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 578, Nov. 12 and 384 ¼-lb. tubes beef extract, 2,040 benzidine dihydrochloride, 240 1-lb. brain heat infusion, 888 1-oz. ergot fluid extract, 1,056 ¼-lb. ferric ammonium sulfate, 14,256 pts. fluid extract glycyrrhiza, 144 25 gms. hydrazine sulfate, inv. 586, Nov. 13 and 40 032 1-oz. tubes ammoniated mercury ointment, 44,440 1-lb. ointment ammoniated mercury, 165,024 pkgs. of 2½-oz. tubes petrolatum, 576 bxs. of 12 physostigmine sulfate ophthalmic ointment, 14,256 bxs. of 12 sodium sulfacetamide ophthalmic ointment, 5,856 1-lb. jars sulfur ointment, 11,832 1-lb. jars tar compound ointment, 11,088 bxs. of 12 tetracaine ophthalmic ointment, 244,944 1-oz. tubes tetracaine ointment, 12,528 1-oz. tubes zinc oxide ointment, 4,248 1-lb. jars zinc oxide ointment, 3,984 1-lb. cont. zinc oxide paste, inv. 619, Nov. 13.

Insulin protamine zinc U-40 10cc vials, 50,000 vials, 52,000 10cc vials insulin 400 units, 25 metric tons DD technical 100%, 25 billion units potassium G crystalline, 82 kilos streptomycin sulfate, 500 gms. acth in 15mm vials, 1,300 20cc vials cortisone, 500 mgs., 500 bots. of 40 500mm tablets cortisone, 38,500 vials tetanus anti-toxin, 1cc concentrate, 1,000 vials diptheria antitoxin, 20,000 units, 12,000 vials same 10,000 units, 1,000 vials same, 5,000 units, 140 kilos sulfanilamide powder, 100 kilos sulfathiazole powder, 50 kilos sulfamerazine powder, 50 kilos sulfacetamide powder, Government of Israel Supply Mission, 250 W. 57th St., N. Y. 19, N. Y., inv. No. 438-299-1-8, Nov. 14.

Gas, 150,000 cu. ft. acetylene gas, 275,000 cu. ft. oxygen, Anniston Ordinance Depot, Anniston, Ala., inv. 21, Nov. 24, and 90,000 cu. ft. acetylene welding gas, Procurement Office, Oklahoma City Air Material Area, Pinker Air Force Base, Oklahoma City, Oklahoma, inv. 171, Nov. 6.

Lime, 8,676 5-lb. bots. soda lime, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 579, Nov. 6.

Methyl Salicylate, 28,056 1-lb. bots, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 580, Nov. 7.

Naphtha, 4,500 gals. naphtha, Contracting Office, Federal Prison Industries Inc., Dept. of Justice, Milan, Mich., inv. 16P1-314, Nov. 6.

Paint, 96 gals enamel, 185 gals. paint, Contracting Office, Hickam AFB, T. H., inv. 8, Nov. 10; 25,930 gals. zinc chromate aircraft primer, Aviation Supply Office, 700 Robbins Ave., Phila. 11, Pa., inv. B-54,426, Nov. 17; 2,500 gals. lacquer thinner, Picatinny Arsenal, Ordnance Corps, Dover, N. J., inv. 87, Nov. 10.

Linseed oil, 1,675 gals, Federal Supply Service, G. S. A., Region 3, 7th & D Sts. S.W., Washington 25, D. C., inv. 3T-21063-R, Nov. 10, and 336 gals. enamel, 200 gals. exterior paint, inv. 3T-21062-R, Nov. 14; 800 gals paint, Federal Supply Service, G. S. A., 250 Hudson St., N. Y. 13, N. Y., inv. NY-3B-41724, Nov. 14.

Enamel, 1,278 gals, 148 gals. linseed oil, 656 gals. paint, Federal Supply Service, G. S. A., 911 Walnut St., Kansas City, Mo., inv. 2S-KC-24465, Nov. 10; 120 gals., enamel , 410 gals. traffic paint, G. S. A., Business Service Center, 1114 Commerce St., Dallas 2, Texas, inv. FW-27305, Nov. 18; 84 qts. enamel, 100 gals. same, 946 gals. paint, 150 gals. paint primer, Business Service Center, Federal Supply Service, 620 Post Office and Courthouse, Boston 9, Mass., inv. BO-W-I-109, Nov. 7.

Penicillin, 105 billion units, penicillin protaine G, Government of Israel Supply Mission, 250 W. 57th St., N. Y. 19, N. Y., inv. No. 438-299-1-8, Nov. 14.

Phosphorous, 338,116 lbs. white phosphorous, Procurement Office, New York Chemical Corps, 180 Varick St., N. Y. 14, N. Y., inv. 45, Nov. 21 and 364,056 lbs. white phosphorous, inv. 44, Nov. 21.

Resorcinol, 5,952 ¼-lb. bots., Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 607, Nov. 12.

Soda Ash, 280,000 lbs., Federal Supply Service, G. S. A., Region 3, 7th & D Sts. S.W., Washington 25, D. C., inv. 2B-19418-3-R, Nov. 7.

Sodium Metasilicate Pentahydrate, 640,400 lbs., Procurement Division, Supply Service, Veterans Admns., Bldg., Washington 25, D. C., inv. S-125, Nov. 17.

Sulfadiazine, 29,376 bots. of 100 tablets, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 600, Nov. 10; 550 kilos sulfadiazine powder, Government of Israel Supply Mission, 250 W. 57th St., N. Y. 19, N. Y., inv. No. 438-299-1-8, Nov. 14.

Terpin Hydrate, 41,664 1-oz. bots. terpin hydrate, 1,632 1-lb. bots. same, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn. 1, N. Y., inv. 579, Nov. 6.

Wax, 1,171 gals. floor wax, 340 lbs. protective film wax, Contracting Office, Hickam AFB, T. H., inv. 8, Nov. 10.

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Drugs and Fine Chemicals

There were several price reductions in this market last week. The sole advance was in castor beans which were up nominally $10 per long ton, f.o.b., Brazil in the second such advance in as many weeks. The trend in this commodity has been definitely firmer in recent weeks and reported offerings from the primary source were scarce and at high asking prices. A reduction in the cost of the raw material was reportedly responsible for a 15c. per hundredweight drop in the price of 42 degree corn syrup last week. Blackstrap molasses, feed grade, was reduced ½ cent per gallon.

USP zinc oxide was down ½c. per pound as a result of an earlier reduction in the price of the metal. Para-aminosalicylic acid and its sodium salt were reduced last week, the former, 20c. per pound and the latter, 25c. Sulphathiazole and its sodium salt were also reduced by the same producer and were priced 70c. per pound below prior levels.

For the second time this year, the price of theobromine alkaloid and its salts has been affected by the presence of imported lower priced material in the market. Earlier this year domestic producers cut prices to meet foreign competition. Last week, the alkaloid price was cut 75c. per pound by producers here and theobromine salts were reduced 50c. per pound. Involved in this reduction were theobromine salicylate, sodio-salicylate and theobromine with sodium acetate.

Trade in many drug items was seasonally brisker. Synthetic camphor was said to be moving steadily with supplies assured to be adequate to meet demand. Bismuth salts were going well according to producers. In relation to these compounds, the Office of International Trade announced that bismuth salts and compounds have been removed from quantitative quota and are presently being licensed by OIT only for security reasons.

Among the large volume organic solvents, about the only item not in free supply was acetone. The resurgence of activity in textiles plus the demands of the defense program have resulted in a somewhat tight supply; temporarily, at least. This situation was not the case with all producers, however. Some reported that supplies were adequate at the present rate of consumption.

The butyl solvents were in free supply while demand was said to be fair, on the whole. Prices were not expected to go any lower at present, since this was not expected to spur additional consumer demand.

Agar—Stocks of this material in the hands of importers were low as a result of the tight supply at the primary source abroad. Demand was fair, on the whole, according to importers. The current low level of consumption has served to alleviate what might otherwise be a tight supply situation here.

Some traders in agar have temporarily withdrawn from the market while those remaining generally were limiting sales to established customers. There was little material available for spot sale as the result. USP, Kobe No. 1 strip was currently selling at $2.25 per pound while the powdered, 30 mesh material, has been offered from $2.25 to $2.50 per pound. In recent years, sales of the latter have seemed to predominate according to some trade observers.

Bismuth Salts—Demand for these salts was said to be fair, on the whole. Supplies were reportedly adequate for current inquiry while prices were unchanged. Bismuth salts and compounds have been removed from quantitative quota and are now being licensed by the Office of International Trade only for security reasons. This action has been made possible by the present ample domestic supply as well as by the freer world supply, evidenced by the higher degree of competition U. S. exporters are experiencing with exporters in other countries.

The relaxation is in line with OIT's policy to remove restrictions as quickly as market conditions and other considerations permit.

Camphor—Demand for synthetic camphor was reportedly seasonally active. Supplies were adequate for current inquiry while prices were unchanged.

Natural camphor was in fair demand according to some observers but on the whole business was not too good. Supplies were adequate, it was said.

Market Trends

Prices Advanced

Castor beans, $10 per long ton, f.o.b., Brazil, nominal.

Prices Reduced

Acid, para-aminosalicylic, 20c. per lb.
Corn syrup, 42°, 15c. per cwt.
Molasses, blackstrap, feed grade, ½c. per lb.
Sodium para-aminosalicylate, 25c. per lb.
Sulphathiazole, 70c. per lb.
Sodium, 70c. per lb.
Theobromine, 75c. per lb.
Salicylate, 50c. per lb.
Sodio-salicylate, 50c. per lb.
With sodium acetate, 50c. per lb.
Zinc oxide, USP, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 2, 1951
93.00	92.88	92.73	100.77

(For Current Prices see Page 9)

Castor Oil—Castor beans were firmer last week with offerings from Brazil reportedly scarce. Currently the nominal quotation for castor beans f.o.b., Brazilian ports, was up $10 per long ton at $195. Arrivals of beans at Philadelphia and New York ports last week amounted to 850,350 pounds, as compared with 3,227,400 the previous week, and 702,000 pounds during the corresponding week of last year. Imports of castor oil at these ports last week totaled 980,000 pounds, as against the 100,000 pounds brought in during the previous week and the 4,488,800 pounds imported during the corresponding week of 1951.

Total imports of beans so far this year at Philadelphia and New York amounted to 100,159,400 pounds, compared with 127,980,250 pounds during the corresponding period of 1951. Total oil imports at these ports so far this year amounted to 60,004,550 pounds, as against the 49,588,729 pounds brought in during the same period of last year.

Corn Syrup—Due to reduced costs of raw material, the price of 42 degree corn syrup was dropped 15c. per hundredweight last week. Currently, this material was offered at $7.32 per 100 pounds, in drum carlots with less than carlot quantities quoted 15c. per pound higher.

Ethanolamines—Demand for this chemicals was reportedly fair to good depending upon the producer queried. Prices continued unchanged.

Production of the ethanolamines, mono-, di- and tri-, totaled 3,449,983 pounds in July of this year compared to the 3,686,280 pounds turned out in June, according to the Tariff Commission.

Glycerin—Demand for refined grades of glycerin has been brisk with some producers reportedly in a sold up position for November's production. Crude continues in somewhat tight supply but the arrival of considerable material from Argentina is expected to ease the domestic supply picture somewhat.

With defense requirements on the increase and the stepped up consumption and production of rockets using more rocket fuel the production of which in turn consumes substantial quantities of glycerin, glycerin producers see a sustained demand for their product for the balance of the year, at least.

Meanwhile, glycerin producers have been striving to make up the production lost earlier this year during the Summer vacation shutdown and more importantly the production lost as a result of the prolonged strike which closed synthetic glycerin facilities.

Prices of refined grades have been holding firm while those for crude glycerin have come down slightly from those asked a few weeks ago. Currently, crude soaplye glycerin was offered at 24c. with few takers. Saponification crude was being offered at 26c. per pound in tanks. The market was generally considered nominal at present.

Production of crude glycerin in September totalled 15,664,000 pounds (100 percent basis including synthetic), showing a slight increase over the 15,390,000 pounds reported for August. This compared with 15,290,000 pounds reportedly produced in September last year. Factory and warehouse stocks of crude glycerin for September were down 4.9 percent from August of this year totalling 10,346,000 pounds.

Factory production of high gravity and yellow distilled grades totalled 7,279,000 pounds, an increase of 11.8 percent over that during August. Nevertheless, stocks of these grades for September, 1952, continued to decline and were down 1.5 per-

For Late Market Developments, See Page 4

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Unsurpassed for
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cent from the preceding month, totalling 12,066,000 pounds.

Factory production of chemically pure glycerin was up 11.1 percent in September over August aggregating 10,040,000 pounds. Warehouse and factory stocks of chemically pure dropped 10 percent from that for August and totalled 17,173,000 pounds.

Total overall stocks of all grades continued to decline and moved from 42,200,000 pounds on August 31 to 39,585,000 pounds at the end of September.

Some producers were reported to be disturbed over the continued decline in glycerin stocks particularly at a time when consumption is expected to continue at high levels.

Methanol — Demand for synthetic methanol has been at fair to good levels and there were indications that consumption would pick up in the coming months. The antifreeze trade was anticipating increased demand this winter as a result of long range forecasts that this winter would be a cold one.

Prices of synthetic methanol continued unchanged although somewhat weak and there had been some minor shading, it was reported.

Production of natural methanol (100% CH_3OH) totaled 180,000 gallons in August, 1952, according to the Bureau of the Census. This was exactly the production figure reported for the same month last year while production of natural methanol during July this year amonuted to 195,000 gallons.

Milk Powder—The market in nonfat dry milk solids was barely steady. In most instances, offerings were fully ample for light to fair demand. Prices were unchanged. Purchases by the CCC from Octoebr 16 to 22 inclusive included 1,435,520 pounds at 17c. per pound bringing the cumulative total to date to 35,921,681 pounds. No roller process was purchased during the same period.

The market in dry wholemilk powder was barely steady. In some instances offerings exceeded light buying interest. The market was steady in roller process. Domestic stocks were made mostly on order. The imported market was showing strength as far as asking prices were concerned but buying interest lagged.

Imports of milk powder for the week ended October 16 amounted to 5,600 bags, all of which came from Sweden.

Purchases by the USDA totaled 1,239,520 pounds of spray processed nonfat milk solids bringing the total to date this year to 35,725,682 pounds compared to the 66,457,011 pounds purchased during the corresponding period last year.

Molasses — Feed molasses prices were generally ½c. per gallon lower than during the week ended October 28, 1952. At New Orleans, the price for cane blackstrap ranged from 9c. to 9½c. per gallon while at New York, the price was pegged at 10½c. with a single offering above this price.

Demand for feed grade blackstrap improved at all points on the east coast reflecting the normal seasonal trend. Demand was good in the Gulf area and on the west coast. Supplies of feed molasses were adequate at all points except Jacksonville and Savannah. Supplies at Savannah are now very limited.

Beet molasses prices continued steady at all points. Citrus molasses at Dade City, Florida, was down $5 per ton, from $20 to $15 per ton.

Imports of inedible molasses for the period from January through August, 1952, totaled 193,400,000 gallons according to the Department of Commerce, Bureau of the Census. Of this amount 109,600,000 gallons were from Cuba, most of which went into storage; 23,600,000 gallons from the Dominican Republic; 17,700,000 gallons from Mexico, and 42,500,000 from other countries.

Para-aminosalicylic Acid—The price of this chemical was dropped 20c. per pound last week. In 1,000 pound or better lots, the current price is $4.25 per pound with smaller lots ranging from $4.30 to $4.75 per pound.

The sodium salt was also reduced last week some 25c. per pound. The current quotation on sodium para-aminosalicylate salt is $4 per pound with smaller lots priced from $4.05 to $4.50 per pound.

Penicillin—Demand for this antibiotic was reportedly fair, on the whole. Price shading continued to be the order of the day. As a result of the overproduction during the past year, supplies were currently adequate to meet the demand.

New compounds utilizing penicillin are expected to increase the amount of this material consumed in the future. The Defense Production Administration has established an expansion goal for penicillin production, recognizing its need by the armed forces.

Production of penicillin and salts during July, 1952, totaled 25,915,474 million Oxford Units compared to the 29,572,163 million Oxford units turned out in June of this year, according to the Tariff Commission.

Silver Nitrate—Demand for this material was seasonally steady with supplies adequate for current inquiry. Prices continued unchanged.

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$AgNO_3$) totaled 4,004,000 ounces during August, according to the Bureau of the Census. This figure was down from the preceding month's production which aggregated 4,633,000 ounces while that during the corresponding month last year totaled 3,388,000 ounces.

Sugar—The Department of Agriculture announced that distribution of sugar by primary distributors for the week ended October 18, 1952, totaled 145,097 short tons, raw value, compared to 152,877 tons during the corresponding week last year.

Total distribution for civilian and military use from January 1 to date aggregated 6,695,119 short tons, raw value, compared to the 6,412,049 tons distributed during the corresponding period last year.

Sulphathiazole—Sulphathiazole was reduced 70c. per pound last week. The sodium salt was similarly reduced. Currently sulphathiazole USP powder was quoted at $2.80 per pound in lots of 1,000 pounds or more with smaller lots ranging from $2.90 to $2.95 per pound. The sodium salt of sulphathiazole was priced at the same levels. Sulphathiazole USP microcrystals were 35c. per pound higher than the quotations on the powder.

Theobromine—For the second time this year theobromine produced abroad and offered in this market has forced down the price of the domestic material. Domestic producers last week lopped 75c. off the price of theobromine alkaloid with its salts reduced 50c. per pound.

Currently theobromine alkaloid was quoted at $3.75 per pound while theobromine sodio salicylate was quoted at $3.10 to $3.15 per pound. Theobromine with sodium acetate was listed at $3.80 to $3.85 per pound.

Vitamin B-15—It was recently disclosed that a new vitamin has given encouraging results in the treatment of heart disease. Vitamin B-15 was said to be perhaps the only drug which has an ability to increase the oxygen consumption of weakened heart muscles. In fact, it increases the oxygen uptake of most tissues in the body.

Vitamin B-15 contains pangamic acid. Originally obtained from rice bran, it was later extracted from ox blood and horse liver. It has been recently synthesized but still is relatively expensive. The substance is taken by mouth and no unpleasant reactions have been uncovered.

Although the use of the vitamin for heart trouble is still on an investigational basis, preliminary results have been very encouraging, it was said. Several cases have been reported in which victims of angina experienced relief from pain and were able to cut down on the use of other drugs such as nitroglycerin. In some cases the individuals were able to resume their regular jobs.

In two cases reported, a reduction in blood pressure occurred, presumably an indirect effect of the vitamin on the tissues. Other subjects found breathing easier, a result thought to have occurred less from a direct effect on the lungs than on the tissues.

Zinc Oxide—The price of USP zinc oxide was reduced last week ½c. per pound as result of earlier reductions in the metal. Currently this material was offered in carlots at 17½c. per pound while less than carlot quaitities were pegged 1c. per pound higher.

Int'l Minerals Debentures Offering Filed with SEC

International Minerals and Chemical Corporation, Chicago, has filed a registration statement with the Securities and Exchange Commission covering $20,000,000 of subordinated debentures, due July 1, 1977, to be offered for public sale through an underwriting group headed by White, Weld & Co. Net proceeds of the financing will be added to the cash funds of the company available for general corporate purposes including the completion of construction of capital assets.

As of July 30, 1952, capital expenditures authorized but not expanded amounted to $16,000,000, of which $3,500,000 is for plant extensions and additions and $12,500,000 is for construction of new facilities, including completion of the phosphate chemical plant at Bonnie, Fla.

Wyeth Reports Development Of New Penicillin Compound

A longer acting penicillin compound which makes possible the maintenance of demonstrable penicillin blood levels in various species of animals for six to fifteen days has been developed by Wyeth, Inc., Philadelphia.

Known as "Injection Bicillin L-A," its major utility is in prophylaxis and treatment when sustained, uninterrupted penicillin protection is desired or when a minimum of needle punctures is advantageous. By eliminating the necessity for daily injections, the new longer acting drug promises to be a time and labor saver for the farmer, according to Wyeth.

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OPS to Establish Local Price Boards in 85 Cities

Local price stabilization boards are to be set up later this month in cities where the Office of Price Stabilization now has regional, district or branch offices, to "give the American people a chance to make price controls more effective in their own communities," price director Tighe E. Woods announced October 29. Boards will be set up initially in about eighty-five cities.

The functions of the boards will deal primarily with consumer price problems, and manufacturers will continue to look to Washington for actions mostly concerning them. Establishment of the boards is the result of the recent field trip by Mr. Woods during which he heard the complaints and suggestions of housewives on price control.

Initially, the boards will receive consumer complaints and recommend appropriate action; conduct informal hearings; review applications for local price increases; make recommendations to the Director of OPS on strengthening national controls; recommend fields in which compliance activities should be concentrated; recommend price rollbacks or restoration of price controls, and promote public understanding of the price stabilization program.

Dow Shifts Day to Chemical Sales Position in New York

James Day, manager of fine chemical sales for the Dow Chemical Company, Midland, Mich., will join the executive staff of the firm's New York office on January 1. In his new post, Mr. Day's duties will include the direction of chemical sales activities.

Mr. Day joined Dow as a research chemist in 1936. Three years later he entered Dow's general sales offices in Midland, where he served successively as a salesman in the special chemicals section, as manager of pharmaceutical sales, and for the past two years, as manager of fine chemical sales.

Israel Seeking Drugs

Suppliers of drugs are being asked by the Government of Israel Supply Mission to submit bids on supplying various quantities of drugs for shipment within ninety days. Commodities desired include DDT, antibiotics, cortisone and ACTH, antitoxins and sulpha drugs and are being purchased under TCA Purchase Authorization No. 437-299-1-8.

Bids will be accepted until November 14. Information regarding this procurement can be got from Government of Israel Supply Mission, attention M. M. Segal, 250 West 57th Street, New York 19, N. Y., telephone, CIrcle 6-7813.

Upjohn Co. Elects Director

William J. Upjohn has been elected to the board of directors of the Upjohn Company, Kalamazoo, Mich., to fill the vacancy created by the resignation of Mrs. Grace G. Upjohn, his mother. Mrs. Upjohn has been a member of the board of the pharmaceutical firm since 1930. Mr. Upjohn has been employed at the Upjohn Company since 1949, and currently is working in the publications section of the advertising department.

Evans Sets Up New Lab

Evans Research & Development Corporation, New York, has established a new and enlarged organoleptic laboratory. The new unit consists of four rooms including a technical kitchen for the preparation of samples, two sensory panel rooms equipped with conference tables and booths for the use of the judges, and an additional room for interviewing and examining panel participants.

McMillan Quits Proprietary Ass'n Committee; Brown Named Successor

George S. McMillan, of the Bristol Myers Company, has resigned from the executive committee of the Proprietary Association. Robert B. Brown, president of the Bristol Myers products division, has been appointed to fill out Mr. McMillan's unexpired term.

Vick to Award Research Fellowships To Pharmacy Students at U. of N.C.

Pharmaceutical research fellowships will be awarded this year by Vick Chemical Company, New York, to the two outstanding students pursuing graduate work at the school of pharmacy, University of North Carolina.

The fellowships provide $1,200 each, and will be under the direction of E. A. Brecht, dean of the school of pharmacy, through the North Carolina Pharmaceutical Research Foundation. The recipients will be selected by the school faculty.

Trade Briefs

Dr. David E. Price has been named to the newly-created post of assistant surgeon general of the Public Health Service.

Smith, Kline & French Laboratories, Philadelphia, has won the American Public Relations Association's certificate of public relations achievement for its public telecasts from the American Medical Association convention in Chicago last June.

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Pacific Coast Borax V. P.

J. Fred Corkill has been named vice-president and eastern manager of Pacific Coast Borax Company, a division of Borax Consolidated, Ltd., New York. Mr. Corkill has been with Pacific Coast Borax since 1935. He will continue to make his headquarters for the time being in New York.

Foster D. Snell Increasing Scope of Mexican Services

Foster D. Snell de Mexico, affiliate of Foster D. Snell, Inc., New York, is now offering its contacts, offices and experience to business and professional people who want to avoid trips to Mexico, it has been announced.

The Snell organization began its activities in Mexico City more than two years ago, primarily to furnish research and development services from its laboratories in New York. The new scope of its activities in Mexico will include furnishing answers to such problems as investigation of facts and figures at wholesale and retail outlets, the advisability of test marketing consumer products, how and where to carry out test marketing, where to buy or sell a product, how to minimize labor troubles and how to supervise and expedite arranagements made from the United States.

Squibb Appoints Managers Of Sales Divisions, Branches

The appointment of two new sales division managers, in Atlanta, Ga., and Cleveland, Ohio, and three new branch managers, in Denver, Colo., Kansas City, Mo., and Minneapolis, Minn., has been announced by E. R. Squibb & Sons, New York.

Rease Inge, recently with the Squibb subsidiary, Lentheric, returns as manager of the Atlanta division, a post he held from 1939 until he vacated it last year to become executive vice-president of Lentheric. Joe R. Watkins, Mr. Inge's succesod in Atlanta, has been transferred to Cleveland as manager of that sales division, replacing Cal Heminger who has resigned to become executive vice-president of the Stuart Hall Stationery Company, Kansas City.

Responsible as branch manager for launching and operating the newest Squibb branch in Denver is J. T. Kelly, formerly manager of the Kansas City branch. Samuel McQuaid becomes branch manager in Kansas City, while Paul A. Loebach, formerly assistant branch manager in Chicago, succeeds Mr. McQuaid as Minneapolis branch manager.

Arner Names Scharmach

Arner Company, Buffalo, N. Y., has appointed Raymond E. Scharmach supervisor of analytical control. Mr. Scharmach has been associated with the company for the past eleven years in various technical capacities, more recently in production control.

Phila. College of Pharmacy Issues 3rd Decennial Supplement to History

The third decennial supplement to the *"First Century of the Philadelphia College of Pharmacy"* is now available and in process of distribution. This 156-page cloth-bound book tells the history of the Philadelphia College of Pharmacy and Science from 1941 to 1951, the previous supplements and the century volume having covered various phases of the college history since 1821. Libraries, historical societies and others interested in the book may communicate with the editor at the college, 43rd street and Kingsessing avenue, Philadelphia 4.

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- Hyoscyamine
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- Lobeline
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SAACI Clinic Probes Selling of Chemicals

—Continued from page 5

not made by one man. "Here," he explained, "we try to gain acceptance at several levels and create a favorable attitude within a company buying our products. Properly handled, it does not antagonize the purchasing agent."

This technic drew a flurry of questions during the discussion period. Mr. Cremers, in explaining the workings of this type of selling and its advantages, cautioned questioners that "multi-level" selling is an effective tool only when used in the right situation and the right way.

Trends in Fine Chemicals

Charles P. Walker, jr., general sales manager of Chas. Pfizer & Co., Brooklyn, N. Y., who talked on the selling of fine chemicals, pointed out that the trend toward obliterating the line of demarcation between heavy chemical makers, fine chemical producers and pharmaceutical manufacturers, which began during World War II, "appears to be a continuing one."

He also cited the trend toward vertical production units—from basic raw materials up through finished consumer products—and declared that it is a "tide that no company or industry can defy." Against this background, he said, there are four things a chemical salesman "must know and know well" to succeed in selling. He must know his company, its history, its policies. He must know his products, who uses them, and where its markets are. Thirdly, Mr. Walker went on, he must know his customers personally, and, finally, he must know himself and work to improve himself.

Types of Managers

Morris I. Pickus, president of the Personnel Institute, Inc., New York, whose topic was "Building a Better Sales Executive" outlined four major types of managers. He went on to state that there is a great need for the development of managers and detailed seven major qualities found in good managers. He also sketched in four key requirements for a good manager development program.

Ollie F. Minor, sales manager of the New York division, Shell Oil Company, discussed the qualities needed in a good salesman, stressing industriousness, courage, enthusiasm, cheerfulness, product knowledge, the ability to present knowledge, confidence and appearance.

"The Uses and Abuses of Chemical Advertising" were explored by J. Hayden Twiss, president of the House of J. Hayden Twiss, New York. Chemical advertising, he declared, can be criticized along with all advertising. "But if you analyze it," he pointed out, "usually it is because the advertisers expect too much from their advertising effort."

Advertising Needs Able Selling

While noting that advertising is a powerful selling factor which, among other things, is able to "pick out specific groups or specific people in any given area," Mr. Twiss stressed that first advertising "must be faced up by an able selling force, who will get out and sell—it must be supported with correct pricing, by a product that will meet specifications, the best of service and with adequate stocks to supply the demand."

John D. McPherson, development manager of the manufacturers chemical department, American Cyanamid Company, New York, indicated that there are forty-six separate functions of market research grouped into the following four main categories:—Research relating to product or service; research relating to general policy; research relating to sales methods, and research relating to markets.

He pointed out that market research looks at the commodity picture from an overall viewpoint, as opposed to sales, which is concerned with its own segment of the total. Market research looks at growth trends on a long-term basis, he continued, while sales must deal with short-term ups and downs. And, finally, he declared, market research does not measure the effectiveness of the sales force.

All chemical salesmen are being judged by a double standard of competence in technology as in the science of salesmanship, Sidney D. Kirkpatrick, vice-president of the McGraw-Hill Book Company, New York, declared at the banquet. He said that a chemical salesman will have to keep abreast of developments in his selected field of science and technology and, at the same time, will have to develop to the fullest extent his abilities in the art of salesmanship.

Available in Quantity

CELLULOSE GUM (HERCULES® CMC)

To satisfy varied requirements, cellulose gum is made in two grades—purified and unpurified. The unpurified form is known as "Hercules CMC—CT Grade."

CELLULOSE GUM
(Purified form, containing 99.5%+CMC, dry weight basis)
LOW VISCOSITY
Viscosity range: 25 to 50 cps. (2%)
MEDIUM VISCOSITY
Viscosity range: 300 to 600 cps. (2%)
HIGH VISCOSITY
Viscosity range: 1300 to 2200 cps. (1%)

CMC—CT GRADE
(Unpurified cellulose gum containing about 80% active ingredient, dry weight basis)
LOW VISCOSITY
Viscosity range: 15 to 70 cps. (2%)
MEDIUM VISCOSITY
Viscosity range: 70 to 400 cps. (2%)

For prices and delivery data write or phone:
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New York Office: 500 Fifth Ave.
Phone: PE 6-6268
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Columbium-Tantalum Buying Program Enlarged by DMPA

The government purchase program for columbium-tantalum bearing ores and concentrates at premium prices has been extended to include small lot shipments from the smaller domestic producers, Jess Larson, administrator of the Defense Materials Procurement Agency, announced October 30.

The purchase program, first announced last May 30, offered an incentive bonus which about doubled the current market price for these scarce ores and concentrates needed for defense production. It provided for the sale to the government, in shipments not less than 2,000 pounds, of specified grades of materials at designated shipping points.

The amended regulation provides for the acceptance of shipments less than 2,000 pounds at government purchase depots located at Spruce Pine, N. C., Franklin, N. H., and Custer, S. D. Such small lots must contain a minimum of 50 percent columbium and tantalum pentoxide, in any ratio, and be of domestic origin. Shipment should be made f.o.b. to any of the three depots. Payment will be made at the flat rate of $1.70 per pound of acceptable grade material, which includes the 100 percent bonus. This is the equivalent of $3.40 for each pound of combined contained pentoxide in 50 percent ore.

CSC Animal Nutrition Sales Position to Cohen

Roy Cohen has been appointed assistant to the general sales manager of the animal nutrition department of Commercial Solvents Corporation, New York. Mr. Cohen has been with Commercial Solvents since 1949. As a member of the microbiological section at CSC's Research Center, Terre Haute, Ind., he worked with the nutritional research group on the development of several animal nutrition products including "Proferm" (Vitamin B_{12}) and "Baciferm" (an antibiotic feed supplement).

More recently, Mr. Cohen has been advertising manager of the animal nutrition department. In this capacity he was responsible for close integration between sales and research in carrying out the sales promotion and advertising activities. As assistant to the general sales manager, he will assist in handling the functions and operations of sales of animal nutrition products. In addition, he will coordinate sales with sales promotion.

Colgate-Palmolive-Peet Honorary Post to Pearce

C. S. Pearce has been elected honorary chairman of the board of directors of Colgate-Palmolive-Peet Company, Jersey City, N. J. Mr. Pearce served as president of the company for five years, from 1928 to 1933. Later he held the office of chairman of the board of directors and at the time of his current election, he was a member of the board's executive committee.

Mr. Pearce began his career in the soap industry with the B. J. Johnson Soap Company, Wisc., which changed its name to the Palmolive Company in 1917. Mr. Pearce was elected president of the Palmolive Company in 1924 and was instrumental in merging it with Peet Brothers Company in 1926. The new firm, Palmolive-Peet Company, under the leadership of Mr. Pearce, merged with the Colgate Company in 1928 to form the present firm, Colgate-Palmolive-Peet Company.

Grimm Resigns From Felton

Charles H. Grimm, for many years connected with the Felton Chemical Company, Brooklyn, N. Y., has resigned his position as manager of the essential oils division. Mr. Grimm said he would announce his new plans in the near future.

Trade Briefs

Schering Corporation, Bloomfield, N. J., has added Dr. Harmon Holladay to its medical service department staff.

Lever Brothers Company, New York, has named M. W. Bates and Harold Johnson brand promotion managers in the promotion division.

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Imports at United States Ports

New York

ACENAPHTHENE—28 bbls, Rotterdam
ACRYLONITRILE MONOMER—132 dms, Republic Chemical Corp, Rotterdam
AGAR—97 bls, T M Duche & Sons, Hong Kong
100 bls, Consumers Import Co, Hong Kong
ALCOHOL, PROPARGYL—17 dms, General Aniline Works, Amsterdam
AMBER—4 dms, Kline & Co, Cristobal
AMMONIA CARBONATE—54 cs, Glasgow
AMMONIUM BIFLUORIDE—43 dms, Leviant & Co, Amsterdam
PERSULFATE—31 dms, Lo Curto & Funk, Hamburg
ANILINE DYES—22 dms, Sandoz Chemical Works, Havre
27 dms, Geigy Co, Havre
5 dms, Ciba Co, Bremerhaven
26 dms, Carbic Color & Chemical Co, Havre
41 dms, Hensel Bruckmann & Lorbacher, Amsterdam
8 dms, Nyanza Color & Chemical Co, Rotterdam
6 dms, C A Haynes, Rotterdam
ANNATTO SEED—7 bgs, Callao
ANTIMONY ORE—3,742 bgs, Metal Transport Corp, Antofagasta
2,735 bgs, C Tennant Sons & Co, Antofagasta
OXIDE—206 bgs, C Gitlan & Co, Antwerp
REGULUS—230 cs, C Gitlan & Co, Antwerp
1,100 cs, Split
ARABIC GUM—1,016 bgs, National City Bank, Port Sudan
708 bgs, Chase National Bank, Port Sudan
300 bgs, Irving Trust Co, Port Sudan
105 bgs, Gillespie & Co, Lagos
BALSAM PERU—1 dm, Wessel Duval & Co, Cristobal
SALVADOR—3 dms, Meer Corp, Cristobal
3 dms, Florasynth Lab, Cristobal
10 dms, Magnus, Mabee & Reynard, Cristobal
2 dms, Citrus & Allied Essential Oils Co, Cristobal
3 dms, Prentiss Drug & Chemical Co, Cristobal
1 dm, Polaks Frutal Works, Cristobal
TOLU—20 cs Meer Corp, Barranquilla
BARIUM CHLORATE—100 dms, International Selling Corp, Havre
BAYBERRY WAX—43 bgs, Grace National Bank, Buenaventura
25 bgs, Mutchler Chemical Co, Buenaventura
BEESWAX—25 bgs, Irving Trust Co, Ciudad Trujillo
100 bgs, Reaud Geck Corp, Ciudad Trujillo
26 bgs, Havana
84 blks, F Faraone, Djibouti
50 bgs, San Antonio
90 bgs, Talcahuano
30 blks, Strohmeyer & Arpe, Lisbon
30 bgs, Porcella Vicini & Co, Puerto Plata
59 bgs, Puerto Plata
BENZOIN GUM—13 cs, A D Brown, Bangkok
BERGAMOT OIL—14 cs, L A Champon & Co, Rotterdam
BERYLLIUM ORE—499 bgs, Wm H Muller & Co, Rio de Janeiro
BILE, OX—35 dms, J M Rogers & Co, London
BISMUTH—228 bxs, Cerro de Pasco Corp, Callao
BONEBLACK—313 bgs, Riches Nelson, Antwerp
BRUCINE—10 cs, Lo Curto & Funk, Glasgow
CADMIUM—392 cs, Industrial Sales Corp, Antwerp
44 cs, Balex Co, Antwerp
50 cs, Metal Transport Corp, Antwerp
CAMPHOR OIL—25 dms, Lo Courto & Funk, Kobe
CANDELILLA WAX—625 bgs, Chemical Bank, Tampico
CARAWAY OIL—2 dms, Flora Essential Oils Co, Rotterdam
4 dms, D W Hutchinson, Rotterdam
SEED—400 bgs, Louis Furth, Rotterdam
250 bgs, Rotterdam
CASEIN—1,574 bgs, The Borden Co, London
1,574 bgs, A J Mills & Co, London
1,693 bgs, H S Kraemer, Buenos Aires
9,000 bgs, Buenos Aires
CASHEW NUT SHELL LIQUID—76 dms, Durez Plastics & Chemicals, Cochin
CASSIA—100 bls, R J Spitz, Hong Kong
1,400 pkgs, Rotterdam
CASTOR BEANS—400 bgs, Spencer Kellogg, Ganaives
2,288 bgs, Spencer Kellogg, Djibouti
381 bgs, Spencer Kellogg, Jacmel
1,050 bgs, Spencer Kellogg, Manta
700 bgs, Guayaquil
850 bgs, Baker Castor Oil Co, Bahia
OIL—490 tons, Western Cotton Oil Co, Santos
CELERYSEED—111 bgs, R T French, Marseille
71 bgs, Herbert Marmorek & Son, Marseille
CHESTNUT EXTRACT—2,000 bgs, Intern Expediters, Naples
1,000 bgs, Intern Expediters, Genoa
7,950 bgs, Barkey Importing Co, Genoa
CINCHONA PRODUCTS—150 cs, Guaranty Trust Co, Rotterdam
CINNAMON BARK OIL—1 cs, Felton Chemical Co, Colombo
QUILLS—200 bls, Chevalier & O'Connor, Colombo
200 bls, Louis Furth, Colombo
CITRONELLA OIL—5 dms, Naugatuck Aromatics, Puerto Barrios
21 dms, Felton Chemical Co, Keelung
CLOVE LEAF OIL—9 dms, W J Bush & Co, Marseilles
4 dms, Lo Curto & Funk, Marseilles
CLOVES—20 bgs, Far Eastern Commodities Co-op, Colombo
20 bls, Astrin Bros, Hamburg
20 bgs, T F Burns, Colombo
COALTAR DYES—32 cks, Wilson Export & Import Corp, Rotterdam
13 cks, Kaufmann & Vinson, Rotterdam
3 cks, Interchemical Corp, Rotterdam
36 cks, C A Haynes, Rotterdam
COCONUT OIL—464 tons, Manila
417 tons, E F Drew & Co, Manila
1,503 tons, Pacific Vegetable Oil Corp, Manila
300 tons, Bank of California National Assoc, Zamboanga
500 tons, Bunge Corp, Cebu
15 dms, Proctor & Gamble, Manila
COLUMBITE ORE—288 bgs, Watson Geach, Lagos
1,996 bgs, Union Carbide & Carbon Corp, Lagos
COPAL GUM—80 bgs, O G Innes Corp, Manila
307 bkts, O G Innes Corp, Macassar
COPPER CYANIDE—64 dms, Rimco Trading Corp, Antwerp
CORN STARCH—800 bgs, E J Guetta, Rotterdam
COTTON LINTERS—156 bls, Lush Cotton Products, Kingston
CRESYLIC ACID—200 dms, James E Fox, London
CROTONIC ACID—1 cs, Mercer Chemical Corp, Rotterdam
CUMIN SEED—218 bgs, C M Van Sillevoldt, Istanbul
267 bgs, M J Golombeck, Istanbul
148 bgs, Louis Furth, Istanbul
72 bgs, Levy & Levis Co, Istanbul
272 bgs, Atlantic Textile Corp, Istanbul
CUTTLEFISH BONES—200 bxs, Hershey Co, Lisbon
DAMMAR GUM—24 bgs, O G Innes Corp, Bangkok
100 cs, O G Innes Corp, Bangkok
70 bgs, Gillespie-Rogers-Pyatt, Singapore
210 bgs, O G Innes Corp, Singapore
100 cs, O G Innes Corp, Tandjong Priok
200 bgs, Internatio Rotterdam, Singapore
70 bgs, U S Industrial Chemicals, Singapore
DANDELION ROOT—40 bgs, Prentiss Drug & Chemical Co, Hamburg
DERRIS ROOT POWDER—195 bgs, Callao
DEXTRIN—100 bgs, Bank of Manhattan Co, Rotterdam
DIETHYLAMINOACETOXYLIDIDE — 2 cs, Astra Pharmaceutical Products, Gothenburg
DOGWOOD BARK—137 bgs, Lydia Pinkham Co, Kingston
EARTH COLOR—450 bgs, Reichard Coulston, Rotterdam
EUCALYPTUS OIL—15 dms, Lo Curto & Funk, Kobe
FISH LIVER OIL—3 dms, Albumina Supply Co, Yokohama
3 dms, H A Gogarty, Yokohama
FISHMEAL—158 bgs, Intern Commercial Co, Callao
555 bgs, Albumina Supply Co, Safi
FUEL OIL—106,233 bbls, Gulf Oil Corp, Puerto La Cruz
102,851 bbls, Hess Inc, Curacao
70,433 bbls, Metropolitan Petroleum Corp, Curacao
87,136 bbls, Asiatic Petroleum Corp, Curacao
103,000 bbls, Esso Export Corp, Aruba
103,000 bbls, Esso Standard Oil Corp, Aruba
GALL, OX—6 cs, Trade Bank & Trust Co, Montevideo
7 dms, Van Gelder Fanto Corp, Rotterdam
GELATIN—102 bgs, Transatlantic Animal By Products Corp, Hamburg
710 bgs, Transatlantic Animal By Products Corp, Rotterdam
20 bgs, Transatlantic Animal By Products Corp, Antwerp
GINGER—25 bgs, B H Old & Co, Kingston
58 bgs, Van Loan & Co, Kingston
247 bgs, Wm E Martin, Lagos
GLUE—210 bgs, Henry Rothschild, Antwerp
300 bgs, Transatlantic Animal By Products Corp, Antwerp
BONE—500 bgs, Tranatlantic Animal By Products Corp, Amsterdam
500 bls, Transatlantic Animal By Products Corp, Rotterdam
GLUESTOCK—204 bdls, Siber Hegner & Co, Barranquilla
292 bdls, Herman Hollander, Barranquilla
GRAINS OF PARADISE—13 bgs, Gillespie & Co, Lagos
GRAPHITE—250 bgs, Joseph Dixon Crucible Co, Colombo
750 bgs, Asbury Graphite Mills, Colombo
GYPSUM—2,050 tons, Newark Plaster Co, Walton
10,223 tons, U S Gypsum Co, Hantsport
HYDRAZINE HYDRATE—42 dms, Henley & Co, Rotterdam
INFUSORIAL EARTH—4,470 bgs, Johns Manville Corp, Hamburg
IODINE, CRUDE—55 cs, Marsman Co of California, Yokohama
IRON OXIDE, YELLOW—3,203 bgs, Herland Mdse Corp, Casablanca
POWDER—16 dms, G P Sexauer, Rotterdam
KOLA NUTS—284 bgs, Takoradi
269 bgs, Lagos
117 bgs, S B Penick & Co, Lagos
LAUREL LEAVES—66 bls, M J Golombeck, Lisbon
LAVENDER OIL—10 dms, L A Champon & Co, Marseille
LEATHERMEAL—2,000 bgs, H J Baker & Bros, Rotterdam
LEMONGRASS OIL—5 dms, Kline & Co, Cristobal
5 dms, George Lueders & Co, Puerto Barrios
12 dms, Lo Curio & Funk, Puerto Barrios
5 dms, Hensel Bruckmann & Lorbacher, Puerto Barrios
3 dms, Belgian American Banking Corp, Matadi
6 dms, Chevalier & O'Connor, Cochin
6 dms, W J Bush & Co, Cristobal
5 dms, Antoine Chiris, Puerto Barrios
LIME OIL—1 dm, Citrus & Allied Essential Oils Co, Puerto Plata
6 cs, Florasynth Lab, Kingston
LIGNALOE OIL—11 dms, George Uhe Co, Cristobal
LIVERMEAL—556 bgs, Wessel Duval & Co, Rotterdam
LOGWOOD EXTRACT—100 cks, American Dyewood Co, Kingston
MACE—52 cs, Littlejohn & Co, Semarang
55 cs, Chemical Bank, Macassar
MAGNESITE—7,000 bgs, Golwynne Chemical Corp, Madras
MAGNESIUM CARBONATE—50 cs, Wheeler & Huisking, Genoa
MANGANESE ORE—300 bgs, Union Carbide & Carbon Corp, London
MANGROVE BARK—990 bgs, Barkey Importing Co, Cristobal
3,350 bgs, Olson Sales Agency, Cristobal
EXTRACT—2,440 bgs, Saxe Cutch Corp, Sandakan
MARJORAM—40 bls, Herbert Marmorek & Son, Marseille
MILK POWDER—248 bgs, M E Franks, Gothenburg
1,300 bgs, Berg Hedstrom, Gothenburg
2,050 bgs, Rotterdam
MUSTARDSEED—200 bgs, M J Golombeck, Copenhagen
200 bgs, Amaren Trading Co, London
MYROBALANS—875 bgs, Hammond & Carpenter, Vizagapatam
1,320 bgs, Olson Sales Agency, Vizagapatam
NAPTHALENE—586 bgs, Gallard Schlesinger, London
NAPTHOL—4 dms, Gorman Anderson, Hamburg
20 dms, Nova Chemical Corp, Hamburg
NICKEL SULPHATE—20 bgs, Amplex Chemical Co, London
NIGER SEED—200 bgs, Vizagapatam
NUTMEGS—800 bgs, Norda Essential Oil & Chemical Co, Grenada
200 bgs, George Lueders & Co, Grenada
200 bgs, Catz American Co, Grenada
50 bgs, Borneo Sumatra Trading Co, Macassar
60 bgs, Becker Mayer Seed Co, Macassar
129 bgs, Littlejohn & Co, Samarang
121 bgs, George Lueders & Co, Padang
231 bgs, George Lueders & Co, Tandjong Priok
33 bgs, Astrin Bros, Hamburg
96 bgs, Chemical Bank & Trust Co, Macassar
131 bgs, First National Boston, Macassar
13 bgs, Macassar
OLIVE OIL—525 dms, Central Hanover Bank, Malaga
423 dms, Manufacturers Trust Co, Malaga
344 dms, Credit Sussie, Malaga
26 dms, National City Bank, Malaga
50 dms, Credit Sussie, Marseilles
OURICURY WAX—222 bgs, Cornelius Products Co, Bahia
94 bgs, Hans Tobeason, Rio de Janeiro
PALM OIL—381 tons, Procter & Gamble, Matadi
28 tons, Colgate-Palmolive-Peet Co, Matadi
PAPAIN—29 cs, Chas L Huisking & Co, Colombo
8 cs, Prentiss Drug & Chemical Co, Colombo
92 cs, Colombo
126 hlf chts, Chas L Huisking & Co, Colombo
28 hlf chts, S B Penick & Co, Colombo
PAPAYA LEAVES—100 bgs, Irving Trust Co, Colombo
PAPRIKA—500 bgs, M J Golombeck, Hamburg
150 bgs, Schoenfeld & Sons, Rotterdam
PARA-AMINOSALICYLIC ACID—15 dms, Gyma Lab, Antwerp
PARSLEY SEED—68 bgs, S B Penick & Co, Rotterdam
PEATMOSS—7,253 bls, Premier Peatmoss Corp, Bremen
470 bls, State Export Co, Bremen
2,503 bls, New Amsterdam Import Co, Bremen
1,000 bls, E J Lang, Bremen
400 bls, Mercantile Products Co, Bremen
2,300 bls, Premier Peatmoss Corp, Dublin
400 bls, Bruco Peatmoss Corp, Bremen
PEPPER, BLACK—140 bgs, Mincing Trading Corp, Singapore
140 bgs, C M Loeb Rhoades, Singapore
80 bgs, East India Trading Co, Colombo
80 bgs, Otto Gerdau, Colombo
49 bgs, J Berlage, Singapore
80 bgs, Otto Gerdau, Oosthaven
490 bgs, Otto Gerdau, Singapore
30 bgs, Astrin Bros, Hamburg
80 bgs, J Berlage, Oosthaven
360 bgs, East India Trading Co, Oosthaven
40 bgs, Sembodja Corp, Oosthaven
240 bgs, A G Dunn, Oosthaven
343 bgs, Internatio Rotterdam, Oosthaven
40 bgs, Imperial Commodities Corp, Cochin
160 bgs, Virchand Panachand, Cochin
160 bgs, M N Hakkak, Cochin
80 bgs, M Rothschild, Cochin
480 bgs, Volkart Bros, Cochin
80 bgs, Paul Elbogen, Cochin
160 bgs, Mincing Trading Corp, Cochin
80 bgs, East India Trading Co, Cochin
160 bgs, Brown Bros, Cochin
80 bgs, Pollack Trading Co, Cochin
245 bgs, East India Trading Co, Singapore
350 bgs, Joensson & Cross, Singapore
160 bgs, Nederlandsche Handel, Cochin
80 bgs, Chase National Bank, Cochin
240 bgs, Netherlands Trading Society, Alleppey
240 bgs, Alleppey
240 bgs, Joensson & Cross, Alleppey
2,080 bgs, Cochin
80 bgs, J H Schroder, Cochin
240 bgs, Irving Trust Co, Cochin
160 bgs, Otto Gerdau, Cochin
80 bgs, Joensson & Cross, Cochin
80 bgs, A C Israel, Cochin
WHITE—70 bgs, Singapore
232 bgs, Otto Gerdau, Singapore
56 bgs, Joensson & Cross, Singapore
32 bgs, Mincing Trading Corp, Singapore
80 bgs, M Golodetz, Singapore
1,077 bgs, Internatio Rotterdam, Singapore
40 bgs, Borneo Sumatra Trading Co, Singapore
732 bgs, Internatio Rotterdam, Pangkal Pinang
288 bgs, Otto Gerdau, Pangkal Pinang
88 bgs, Mincing Trading Corp, Pangkal Pinang
240 bgs, Borneo Sumatra Trading Co, Pangkal Pinang
PETITGRAIN OIL—1 dm, Magnus Mabee & Reynard, Port Au Prince
1 cs, Magnus Mabee & Reynard, Port Au Prince
1 dm, Citrus & Allied Essential Oil Co, Port Au Prince
PETROLEUM CRUDE—69,899 bbls, Cities Service Oil Co, Tampico
120,000 bbls, Socony Vacuum Oil Corp, Puerto La Cruz
52,970 bbls, Shell Oil Co, Curacao
PIMENTO—25 bgs, Van Loan & Co, Kingston
100 bgs, Otto Gerdau, Kingston
50 bgs, John Holt & Co, Kingston
80 bgs, John Holt & Co, Kingston
LEAF OIL—4 dms, Norda Essential Oil & Chemical Co, Kingston
2 dms, W J Bush & Co, Kingston
1 dm, Edwin McKenzie, Kingston
POLLACK LIVER OIL—90 dms, Arista Oil Products Co, Yokohama
30 dms, Maxim Chemical Co, Yokohama
PONTIANAK GUM—20 cs, George M Lincks, Singapore
POPPYSEED—333 bgs, Istanbul
250 bgs, Levy & Levis Co, Rotterdam
250 bgs, Louis Furth, Rotterdam
150 bgs, J H Forbes, Rotterdam
POTASSIUM CYANIDE—300 dms, All Transport Inc, Hamburg
100 bbls, Penson & Co, Rotterdam
GUAIACOLSULPHONATE — 5 dms, Rhodia, Havre
PERCHLORATE—25 bbls, Hummel Chemical Co, Antofagasta
POTATO STARCH—500 bgs, Rotterdam
QUEBRACHO EXTRACT—835 bgs, River Plate Import & Export Corp, Buenos Aires
QUICKSILVER—1,000 flks, Mercantile Metal & Ore Corp, Rijeka
QUININE SULPHATE—2 cs, Transocean Commerce Inc, Kobe
RADIUM ELEMENT—3 cs, Radium Chemical Co, Antwerp
RESIN, SYNTHETIC—206 bgs, F L Kraemer, London
102 bls, F L Kraemer, London
3 cans, Alkydol Lab, Rotterdam
1 dm, Alkydol Lab, Rotterdam
ROSEMARY LEAVES—130 bls, M J Golombeck, Lisbon
SABADILLA SEED—45 bgs, Callao
SAGE LEAVES—100 bls, Superintendence Co, Split
OIL—10 cks, Superintendence Co, Split
SANDALWOOD OIL—17 cs, East Asiatic Co, Madras
9 cs, Lo Curto & Funk, Madras
SEEDLAC—500 bgs, Commercial Alcohols Ltd, Bangkok
450 bgs, Unity Import Export Co, Bangkok
411 bgs, East Asiatic Co, Bangkok
350 bgs, Calcutta
801 bgs, Gillespie Rogers Pyatt, Calcutta
100 bgs, Colonial Commerce Co, Calcutta
700 bgs, Schwab Bros, Calcutta
600 bgs, Mantrose Corp, Calcutta
400 bgs, Mantrose Corp, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
350 bgs, Mac Lac Co, Calcutta
300 bgs, Schwab Bros, Calcutta
SENNA LEAVES—100 bls, Peek & Velsor, Colombo
50 bls, S B Penick & Co, Colombo
SESAME SEED—627 bgs, Louis Furth, Cristobal
100 bgs, Knickerbocker Mills, Cristobal
100 bgs, W R Grace & Co, Cristobal
134 bgs, Levy & Levis Co, Cristobal
4 bgs, Archibald & Kendall, Cristobal
50 dms, Balfour Guthrie, Puerto Barrios
50 dms, Tunley & Co, Puerto Barrios
SHARK LIVER OIL—15 dms, Arista Oil Products Co, Yokohama
50 dms, Collett Week Nibecker, Keelung
50 dms, Albumina Supply Co, Havre
SHELLAC — 300 bgs, Gillespie-Rogers-Pyatt, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
25 bgs, Wm Diehl & Co, Bremen
40 bgs, F H Paul & Stein Bros, Rotterdam
68 bbls, F H Paul & Stein Bros, Rotterdam
28 cs, F H Paul & Stein Bros, Rotterdam
250 bgs, Ralli Bros, Calcutta
SODIUM GENTISATE—12 dms, Rhodia Inc, Havre
PERBORATE—35 dms, Bank of Athens Trust Co, Rotterdam
MONOHYDRATE — 1 dm, Caldwell Chemical Co, Rotterdam
SILICOFLUORIDE—1 kg, Riches Nelson, Rotterdam
SULFATE—10,000 bgs, Cornwell Chemical Co, Antwerp
STARCH—1,200 bgs, Haberland Mfg Co, Rotterdam
STRAMONIUM LEAVES—104 bls, Prentiss Drug & Chemical Co, Rijeka
SWORDFISH LIVER OIL—2 dms, Interocean Chemicals & Minerals Corp, Yokohama
TALL OIL PITCH—155 dms, G S Ziegler & Co, Gefle
TARA POWDER—4 bgs, Callao
SEED—555 bgs, Salaverry
TEA WASTE—2,202 bgs, Citro Chemical Co, Calcutta
THYME LEAVES—116 bgs, S Hartman, Marseilles
TONKA BEANS—24 bbls, Machado & Co, Belem-Para
TUNA LIVER OIL—10 dms, J D Smith, Yokohama
TUNG OIL—300 tons, Bunge Corp, Buenos Aires
441 tons, North American Continental Co, Buenos Aires
441 tons, Bank of America, Buenos Aires
TUNU GUM—359 cs, L A Dreyfus Co, Cristobal
UREA—1,000 bgs, Chemical Mfg Co, Glasgow
VANADIUM CONCENTRATES—3,200 bgs, Vanadium Corp, of America, Callao
VANILLA BEANS—7 cs, Zink & Trieste, Tandjong Priok
18 cs, F Hubert & Co, Tandjong Priuk
21 cs, R L Oppenheimer, Hamburg
16 cs, Dodge & Olcott, Vera Cruz
44 cs, A Gaya, Vera Cruz
92 cs, Vera Cruz
VEGETABLE WAX—63 bgs, A Judson Murray & Co, Rio de Janeiro
VETIVER OIL—2 cs, H G Ollendorff, Port Au Prince
WHITING—2,800 bgs, N H Weitzner, Antwerp
WOLFRAM ORE—116 bgs, Metal Transport Corp, Bangkok
37 bgs, Wah Chang Corp, Bangkok
885 bgs, Wah Chang Corp, Penang
185 bgs, Metal Transport Corp, Bangkok
147 bgs, South American Minerals & Mdse Corp, Callao
WOOL GREASE—4 dms, Eelsingh & Lugtigheid, Rotterdam
136 dms, J J Gavin, Rotterdam
88 dms, Hudson Shipping Co, Kobe
27 dms, Irving Trust Co, Kobe
24 dms, Consumer Import Co, Nagoya
54 dms, Interocean Chemical & Minerals Corp, Genoa

Baltimore

EARTH COLOR—1,125 bgs, American Chemical & Pigment Corp, Rotterdam
PEATMOSS—700 bls, Halfmoon Mfg & Trading Co, Rotterdam

Boston

GELATIN—300 bgs, First National Bank, Rotterdam
15 bbls, Coignet Chemical Co, Antwerp
NICKEL SULPHATE—75 cks, Industrial Sales Corp, Antwerp
POTATO STARCH—250 bgs, Haberland Mfg Co, Rotterdam
STARCH—110 bgs, Harry F R Dolan, Rotterdam

Los Angeles

COPRA—1,000 tons, The American Trust Co, Cebu
CAKE—6,720 bgs, Wilbur Ellis Co, Manila
6,720 bgs, Wilbur Ellis Co, Manila
1,535 bgs, Atkins Kroll & Co, Cartagena
4,256 bgs, Balfour Guthrie & Co, Manila
1,494 bgs, Balfour Guthrie & Co, Zamboanga
5,000 bgs, Balfour Guthrie & Co, Cebu
2,000 bgs, Pacific Vegetable Oil Corp, Cebu
3,256 bgs, Atkins Kroll & Co, Cebu
MEAL—500 tons, The Pacific Vegetable Oil Corp, Legaspi
COTTONSEED CAKE—1,980 bgs, Banco Continental, Paita
MEAL—32,314 bgs, Buenos Aires
CRUDE OIL—127,609 bbls, The General Petroleum Co, Pamatacual
FISH LIVER OIL—45 dms, Wilbur Ellis Co, Otaru
MEAL—50 dms, Transocean Commerce Inc, Yokohoma
HERRING MEAL—1,358 bgs, Lindfors Chemical Co, Oslo
LACTIC CASEIN—500 bgs, Industrial Raw Materials, Buenos Aires
LINSEED CAKE—9,660 bgs, B Meropa, Buenos Aires
OIL—13,583 bgs, B Meropa, Buenos Aires
LOCUST BEAN GUM—40 bgs, Thurston & Braidich, Antwerp
MILK POWDER—5,000 bgs, J H Hobson Co, Gothenburg
PEANUT MEAL—1,191 bgs, Buenos Aires
POLLACK LIVER OIL—25 dms, Albumina Supply Co Inc, Otaru
POTASSIUM FERRICYANIDE—100 bgs, Antwerp
SEEDLAC—238 bgs, The East Asiatic Co Inc, Bangkok
SUNFLOWER SEED—5,892 bgs, Pablo Hadra & Cia, Buenos Aires
1,236 bgs, Euramar Inc, Buenos Aires
5,119 bgs, Buenos Aires
MEAL—38,117 bgs, Buenos Aires
TANKAGE—2,051 bgs, Atkins Kroll & Co, Amsterdam
UREA—1,500 bgs, C M C Chemicals Inc, Liverpool
3,250 bgs, Wilson & Geo Meyer & Co, Heroya
1,102 bgs, Atkins Kroll & Co, Antwerp
WOOL GREASE—25 dms, Gate, Antwerp

Philadelphia

ANTIMONY OXIDE—40 tons, Harshaw Chemical Co, Glasgow
BERYLLIUM ORE—210 tons, Chemical Bank, Buenos Aires
BONEMEAL—340 tons, Ralli Bros, Calcutta
CADMIUM—40 cs, Industrial Sales Corp, Antwerp
CASEIN—55 tons, T Kane Co, Buenos Aires
50 tons, Buenos Aires
COD LIVER OIL—210 dms, Arista Oil Products Co, Gothenburg
FLUORSPAR—1,560 tons, Genoa
GLANDS—11 ctns, Rhom & Hass, Lyttleton
GLUE—500 bls, Fulton Weeks Corp, Rotterdam
GRAPHITE—150 bgs, C Pettinoss, Colombo
GYPSUM—4,868 tons, U S Gypsum Co, Hantsport
LIVERMEAL—56 tons, International Packers Ltd, Lyttletor
MILK POWDER—1,170 ctns, Western Dairy Products, Lyttleton
4,860 ctns, J H Hobson, Lyttleton
600 bgs, J H Hobson, Lyttleton
387 bgs, Copenhagen
600 bgs, J H Hobson, Rotterdam
MYROBALANS—317 bgs, Bombay
PETROLEUM CRUDE—126,871 bbls, Socony Vacuum Oil Co, Covenas
106,890 bbls, Socony Vacuum Oil Co, Cartagena
120,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
344,665 bbls, Gulf Oil Corp, Puerto La Cruz
305,977 bbls, Gulf Oil Corp, Mena Al Ahmadi
113,364 bbls, Socony Vacuum Oil Co, Mena Al Ahmadi
521,227 bbls, The Texas Co, Sidon
115,611 bbls, The Texas Co, Las Piedras
103,210 bbls, Atlantic Refining Co, Las Piedras
QUEBRACHO EXTRACT—57 tons, First National Bank, Buenos Aires
100 tons, Buenos Aires
SHELLAC—50 bgs, Colony Import & Export Corp, Calcutta
VANILLA BEANS—46 cs, McCarthy Inc, Marseille

San Francisco

AMMONIUM CHLORIDE—800 bgs, C M C Chemicals, Manchester
796 bgs, C M C Chemicals, Liverpool
ASBESTOS FIBER—600 bgs, Pabco Products, Lourenco Marques
800 bgs, Johns Manville Corp, Lourenco Marques
437 bgs, Pabco Products, Durban
CALCIUM CHLORIDE—476 dms, C M C Chemicals, Manchester
CARAWAY SEED—100 bgs, McClintock Stern Co, Rotterdam
CASTOR BEANS—16,931 bgs, Bahia
2,000 bgs, Pacific Vegetable Oil Corp, Manta
OIL—150 dms, Fuerst Bros, Singapore
CLOVES—100 bls, Singapore

COPRA—500 tons, El Dorado Oil Works, Cebu
500 tons, Bank of California, Cebu
CREOSOTE—2,060 tons, Bernuth Lempke Co, Amsterdam
DEXTRIN—30 bgs, Stein Hall & Co, Rotterdam
FISHMEAL—1,820 bgs, San Antonio
1,068 bgs, Wilbur Ellis Co, Ilo
GYPSUM—9,019 tons, Kaiser Gypsum Co, San Marcus
MARJORAM LEAVES—40 bgs, Callao
MILK POWDER—79 dms, Floyd Oles, Hamburg
430 bgs, Delrey Intern Co, Rotterdam
OLIVE OIL—50 dms, D Benardi, Marseilles
198 dms, A Giuliani & Bros, Leghorn
OURICURY WAX—56 bgs, Cornelius Products Co, Bahia
PEATMOSS—1,600 bls, Lastreto Phillips, Bremen
800 bls, H M Newhall, Rotterdam
1,000 bls, Rotterdam
PEPPER, BLACK—345 bgs, Singapore
154 bgs, Internatio Rotterdam, Tandjong Priok
160 bgs, B C Ireland, Tandjong Priok
160 bgs, Internatio Rotterdam, Cochin
40 bgs, A C Israel, Cochin
PETROLEUM, CRUDE—26,306 tons, Standard Oil Co, Sidon
12,941 tons, Standard Oil Co, Ras Tanura
12,342 tons, Standard Oil Co, Sungai Pakning
SESAME SEED—200 bgs, H M Newhall & Co, Corinto
100 bgs, Corinto
100 bgs, Te Beton Co, Corinto
150 bgs, Lastreto Phillips, Corinto
SODIUM BICHROMATE—54 tons, C M C Chemicals, Manchester
TANKAGE—2,200 bgs, H J Baker & Bro, Rotterdam
TUNG NUTS—151 bgs, Dar es Salaam
6,285 bgs, Mozambique
UREA—340 tons, Wilson & Geo Meyer Co, Heroya
3,000 bgs, C M C Chemicals, Liverpool

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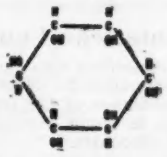

Inositol, known for more than a century as a common constituent of living matter, has only recently been established as an important biochemical compound. Its molecular configuration has been established, the nature of its occurrence in animal tissues has been clarified, and it has generally been accepted as a member of the vitamin-B complex. Also recognized is its importance in the regulation of fat and cholesterol metabolism. Inositol shows remarkable possibilities as an agent for the treatment of certain pathological conditions in man. The precise nature of its biochemical role now is up to chemical research.

Inositol is a hexahydroxycyclohexane, supplied as an odorless, slightly sweet, white crystalline powder with a melting point at 225°C. Soluble in water, slightly soluble in alcohol, it is practically insoluble in oils and organic solvents. A comprehensive review of the literature on the biochemistry of Inositol is available upon request.

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Atlas Industrial Chemicals Sales Posts Go to Three

Atlas Powder Company, Wilmington, Del., has announced three new appointments in its industrial chemicals department. Dixon Van Winkle has been named special sales assistant in the sales division of that department. Arthur F. Quinlan has been assigned as technical sales representative to service customers in northern and western New York. Maurice A. Ponti has been made technical sales representative in the northern New Jersey area. Mr. Ponti will work out of the New York sales office.

Mr. Van Winkle, who was formerly eastern general manager for Julius Hyman & Co., Denver, Col., will report directly to the director of sales. His duties will consist of correlating sales efforts in specific fields of sorbitol usage.

GSA Asks Bids on Drugs For Shipment to Formosa

The Emergency Procurement Service of General Services Administration is asking bids on a large order of medical and pharmaceutical preparations for Formosa under a procurement requisition order of the Mutual Security Agency. The bids will be opened November 17.

Full information for suppliers will be furnished by GSA to those who request it by giving the invitation number 2Q-N-20160-R-11-17-52. Requests should be addressed to:—Business Service Center, Region 3, General Services Administration, Seventh and D Streets, S. W., Washington 25, D. C., telephone, REpublic 7500, extension 6647.

Eli Lilly Names Schrader, Weber to Managers' Posts

Eli Lilly & Co., Indianapolis, Ind., has announced the appointment of Earl Schrader as manager of the pharmaceutical production departments of the McCarthy street plant, Indianapolis, and the naming of Harry S. Weber as manager of the production services departments.

Mr. Schrader has been with Lilly since 1941. Mr. Weber joined the company as a stock clerk in 1919.

Gane & Ingram Adds Colman

Gane & Ingram, Inc., New York, has appointed S. Stephen Colman to its sales staff, according to announcement by G. S. Furman, vice-president. Mr. Colman was formerly connected with the Celanese Corporation of America, New York, in a technical capacity, and has also had broad experience in the export field. He will operate out of the firm's New York headquarters.

Aries Opens Detroit Office

The establishment of a Detroit, Mich., branch office has been announced by Dr. Robert S. Aries, President of R. S. Aries & Associates, New York. The Detroit office will be headed by R. A. Willinganz, a chemical engineer formerly with the Union Carbide & Carbon Corporation and the Chrysler Corporation.

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Uruguay's Flaxseed Crop Seen Below 1951-52 Peak

Uruguay's 1952-53 flaxseed crop is forecast at approximately 4,252,000 bushels, based on average yields of the past five years and an estimated planted area of 494,200 acres, reports Dale E. Farringer, agricultural attache, American Embassy, Montevideo. Final flaxseed estimates for 1951-52 are 470,720 acres planted, 455,420 acres harvested, and a total crop of 5,574,840 bushels. Many growers feel, however, that if favorable conditions continue, flaxseed yields in 1952-53 will be larger than the five-year average but smaller than last year's near-record of 11.9 bushels per planted acre.

With respect to sunflower, indications are that the area to be planted (both crops) in 1952-53 will slightly exceed last year's 406,480 acres (revised). Full scale sowing of sunflower does not start until this month. Assuming average yields, the 1953 sunflower seed crop should amount to about 110,000 short tons, against 88,075 tons (revised) in 1952. Dry weather during the growing period in 1951-52 burned out the second sunflower plantings in many sectors.

Sterling-Winthrop Research Inst. Announces Opening of Seminar

Opening of the 1952-53 series of seminar talks sponsored by the Sterling-Winthrop Research Institute, Rensselaer, N. Y., has been announced by Dr. M. L. Tainter, director. The seminars, which are usually held every two weeks, will conclude in June, 1953.

As in past years, scientists in this country and abroad have been invited to lead the discussions. Papers will also be read by members of the institute staff. Included in the latter are talks by Dr. E. W. McChesney on the medicinal uses of ion exchange resins; Dr. John Seed, on problems in the clinical trial of new compounds; and E. T. Hinkle, on residual activity following use of pH isoderm in surgical scrubs.

Benzoic Acid Data Offered

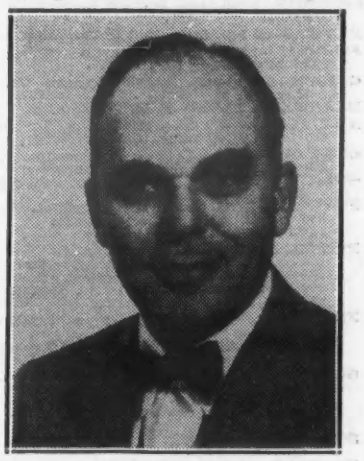
The use of benzoic acid and sodium benzoate to protect food against spoilage caused by micro-organisms is described in a new booklet available from Monsanto Chemical Company's organic chemicals division, St. Louis, Mo. In addition to instructions and suggestions for the use of benzoic acid and sodium benzoate in preserving a variety of food products, the ten-page booklet contains an explanation of the causes of food spoilage and how benzoic acid and its soluble salt prevent it.

Also included is a summary of the investigations which showed that sodium benzoate is neither harmful to humans nor to the quality and nutritive value of foods as well as a guide for understanding the current federal and state laws covering the use of sodium benzoate as a preservative.

Oxygen, Nitrogen Catalog Issued

Air Products, Inc., has issued a twelve-page catalog detailing its line of tonnage oxygen-nitrogen generators, high-purity oxygen-nitrogen generators and equipment for other low-temperature processes. Copies of the catalog (No. 52) are available on request to Air Products, Inc., P. O. Box 538, Allentown, Pa.

NYQ Gen'l Sales Manager



William A. Thawley, recently appointed general sales manager of the New York Quinine & Chemical Works, Inc., New York (OPD, 10/27/52), last week assumed his new post. For the past seven years, Mr. Thawley has been associated with NYQ and its affiliated company, S. B. Penick & Co., in a sales capacity. Prior to the war, he was with Burroughs Wellcome & Co. (U. S. A.), Inc., Tuckahoe, N. Y., as a sales representative.

American Can Names Kipp

American Can Company, New York, has announced the election of Donald B. Kipp, a member of the law firm of Pitney, Hardin & Wood, Newark, N. J., to the board of directors.

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Obituaries

Dr. Otto B. May

Dr. Otto B. May, founder and president of Otto B. May, Inc., Newark, N. J., and a pioneer in the dyestuff industry in this country, died October 27 in East Orange, N. J. His age was seventy-two.

Dr. May came to this country in 1907 and for two years assisted Prof. Coblentz at Columbia University in the revision of the United States Pharmacopeia. He founded the May Chemical Works in Newark in 1919. Dr. May sold his chemical plant in 1929, but repurchased his factories and established Otto B. May, Inc., in 1931.

Reginald C. Ralphs

Reginald C. Ralphs, a director of Burroughs Wellcome & Co. (U.S.A.), Inc., Tuckahoe, N. Y., and recently retired vice-president in charge of finance, died October 20 in Queens, N. Y. He was sixty-six years of age.

Mr. Ralphs retired June 30 after fifty years of service with Burroughs Wellcome. He joined the firm in England at the age of fifteen, and in 1912 transferred to Montreal, Canada, as chief accountant. Eight years later he moved to the Tuckahoe location, where he served variously as secretary, treasurer and, in recent years, as vice-president in charge of finance.

Howell C. Cooper, former president of the Hope Natural Gas Company, the Mississippi River Fuel Corporation and the Colorado Interstate Gas Company, died October 27 in Pittsburgh, Pa. He was seventy-eight years old.

Joseph F. Fleischut, retired administrative officer of the health and safety division of the Bureau of Mines, died October 27 in Washington, D. C. He was sixty-seven years of age. Mr. Fleischut was stationed in Pittsburgh, Pa., until he came to Washington in 1948. He retired last year after forty-two years with the government.

John P. Gregg, a member of the United States Tariff Commission, died October 29 in Washington, D. C. His age was sixty-one. Mr. Gregg was named by President Truman in 1946 as one of the three Republican members of the commission. He was reappointed for a six-year term in 1947. That year he represented the commission at the International Conference on Trade and Employment in Geneva, Switzerland, the conclave at which twenty-three nations negotiated the General Agreement on Tariffs and Trade.

Joseph H. Harris, president of Dominion Glues, Ltd., Kitchener, Ontario, and Canadian Organic Developments, Ltd., London, England, died October 25 in Toronto, Canada. His age was sixty-three.

Casimir V. Johnson, a consulting engineer for the Linde Air Products Company, a unit of the Union Carbide & Carbon Corporation in Newark, N. J., died October 28 in Cranford, N. J. He was fifty-seven.

Vladimir Kistyakovsky, who was credited with organizing the Soviet Union's first electrochemical laboratory and developing an important process for curbing corrosion in metals, died October 23 in Moscow. He was eighty-eight years old.

Cecil D. Lear, assistant supervisor of the Union Carbide & Carbon Corporation, New York, died October 27 in Belmar, N. J. He was fifty-three. Mr. Lear had been with Union Carbide for thirty-seven years.

John J. McCloskey, jr., a sales representative for the Nopco Chemical Company, Harrison, N. J., died October 26 in Charlottesville, Va. He was thirty-two.

Samuel Metzger, retired insurance manager of the American Smelting & Refining Company, New York, died October 23 in that city. His age was seventy-four.

Joseph F. Moss, former sales manager of Craft-Tint Manufacturing Company, Cleveland, Ohio, died October 28 in that city. He was forty-eight years old.

John M. Nemcsik, sr., a chemical operator for the American Cyanamid Company at Linden, N. J., died October 28 at his home there. His age was seventy-one. Mr. Nemcsik retired in 1949.

Howard A. Pearce, oldest past president of both the Rhode Island State Pharmaceutical Association and the Rhode Island State Board of Pharmacy, died October 27 in Providence, R. I. He was ninety-two years old.

Justin G. Sholes, for more than thirty years identified with the chemical industry, died October 27 in Cleveland, Ohio. He was eighty-one years old. In 1910, Mr. Sholes organized and became the first president of the Ohio Chemical & Manufacturing Company. While making other chemicals, the company pioneered in the manufacture of nitrous oxide for use as an anesthesia. The firm was acquired by Air Reduction Company in 1940.

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Botanical Drugs, Spices, Gums

Spices were the leading feature in this market last week, drugs remaining quite steady pricewise, except for the balsams. Paprika prices were advanced in price because of the higher cost of replacement materials for already exhausted stocks. The Spanish crop was short this year, and material due to arrive early in November was quoted at prices well above what the old crop had sold for last season.

Red peppers were still quite scarce, white was firm, and black pepper continued its pattern of up and down fluctuations characteristic of the market in recent weeks. There was sufficient adverse news from primary markets upset by political upheavels, to ordinarily make the pepper market advance steadily upward. However, the market did not react as might be expected, due primarily to the fact that there appeared to be sufficient material on shipment or released for shipment to take care of most needs for the weeks immediately ahead, and December is usually a slow buying month. Black pepper fell 12c cents on spot in one week.

The balsams changed price last week. Oregon fir was the only one to advance, moving up rather sharply by 50 cents per pound. Copaiba declined 5 cents per pound, and both Peru and Tolu were off 15 cents per pound.

Other drug items were essentially unchanged in price. Dealers reported that business volume was still quite slow, somewhat better than during the long Summer slump, but still far from what might be regarded as normal. In general, botanical prices were about as low as they could get, having been reduced during the slow Summer slump to virtually rock bottom in relation to costs. As yet, not many botanical drugs had advanced from that low price position, but that they would do so in the not too distant future was felt almost a certainty, because of known shortages in primary markets both at home and abroad.

Low consumer demand, buffered by the cushion of dealer stocks, kept the market from as yet feeling the impact of the small amounts of botanicals actually gathered this year.

Market Trends

Prices Advanced

Drugs

Fir balsam, Oregon, 50c. per lb.

Other Articles

Cassia, Saigon, medium, 2c. per lb.
Clove, Madgascar, 5c. per lb.
Zanzibar, 5c. per lb.
Paprika, Czech, 2½c. per lb.
Moroccan, 3c. per lb.
Spanish, 8c. per lb.

Prices Reduced

Drugs

Copaiba balsam, 5c. per lb.
Peru balsam, 15c. per lb.
Tolu balsam, 15c. per lb.

Other Articles

Cassia, Saigon, thin, 2c. per lb.
Ginger, Nigerian, ½c. per lb.
Mace Siauw No. 1, 2c. per lb.
West Indian, 1c. per lb.
Mustard seed, Montana, yellow, ¼c. per lb.
Oriental, 1c. per lb.
Nutmeg, West Indian, 1c. per lb.
Pepper, black, spot, *12c. per lb.
Poppy seed, Dutch, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 2, 1951
103.24	102.53	100.40	116.58

(For Current Prices see Page 9)

Balsams

Copaiba—This item was quoted 5c. per pound lower last week in some quarters, bringing the current price range to $1 to $1.75 per pound, varying as to seller and quantity.

Fir—Oregon material advanced 50c. per pound last week, the item being currently listed at $2.85 to $3.50 per pound. This advance occurred at a time when other balsams were on the decline.

Peru—In a reversal of recent price trends, this item dropped 15c. per pound last week in some quarters. This brought the level of current prices down to $1.25 to $2 per pound.

Tolu—The price pattern on this item was notably lower last week, prices declining some 15c. per pound. Under the present schedule, the price per pound ranged from $3.85 to $5 per pound, depending upon quantity and seller.

Barks

Cascara Sagrada—There was no further tendency for prices to advance, after the upward adjustment made some weeks ago. Business on this item, like most botanicals, has been slow all during the Summer, and even up to last week was not very much better. There was presently a peculiar situation in the market where potential supplies were known to be short because of the very short crop this year, stemming not so much from a lack of plants, as from a lack of gatherers. Yet, business continued slow and consumers were apparently in no hurry to cover their requirements. Generally it was felt that prices had hit bottom, and the only direction most botanicals would take would be, as with cascara, upward.

Cocillana—The stronger demand that is now in effect seasonally did not lead to any price advances in this item, quotations still holding at the 16c. to 17c. per pound level. However, the firm tone created by this demand, kept dealers price views quite steady. If any price change should develop, it was felt that the trend would be upward, not only because of a stronger demand, but also because current prices were about as low as possible under present cost structures.

Beans

Vanilla—Both Bourbon and Mexican bean markets remained strong last week although there were no further price advances beyond the boost occurring two weeks ago. A pinch in supplies was being felt in some quarters, and would probably be felt over a wider area in the months ahead.

Flowers

Arnica—Higher replacement costs threatening in primary markets lent a firm tone to the present price structure at the dealer level. Montana was closely held at 65 to 66c. per pound. However, there was no evidence on the part of consumers to step up buying interest beyond the relatively slow pace that has characterized recent weeks.

Chamomile—Prices in the range of 80c. to 90c. were well maintained last week, and in view of current business conditions, no change was immediately expected.

Clover Tops—The market was steady and unchanged at 50c. to 65c. per pound for the domestic item. Demand was not very strong, and supplies were considered adequate.

Lavender—Select flowers were quoted around 90c. per pound in a very firm market. High replacement costs and scarcity in primary markets accounted for the strong price position of the item, but trading was still said to be limited.

Saffron—Foreign shippers assumed a firm attitude on prices, and consequently dealers in Spanish and Mexican material, were inclined to closely hold their stocks of good quality merchandise. Prices have not moved since the decline in Spanish some weeks ago.

Miscellaneous

Guarana—The price pattern on this item last week appeared to be unchanged from recent levels of around $2 per pound for powdered material.

Gums

Tragacanth—The market became steady after the decline reported on ribbons the previous week. The price drop, however,

Imports Detained by FDA

Week Ended Oct. 24

New York

Cassia, 11 lots, 628 bags: insect filth.
Chilles, 4 lots, 322 bags: filthy.
Kola nuts, 210 bags: live insects and insect bored.
Nutmegs, 231 bags: moldy and wormy.
Pepper, black, 5 lots, 267 bags: moldy, insect bored, filthy, substance other than pepper substituted.
Pepper, white, 3 lots, 144 bags: live and dead insects.
Rosemary leaves, 2 lots, 90 bags: filthy.
Senna pods, 10 bales: live insects.

Baltimore

Coriander seed, 3 lots, 1,148 bags: filthy.

Boston

Mushroom powder, 2 cases: no quantity of contents, false guaranty.

For Late Market Developments, See Page 4

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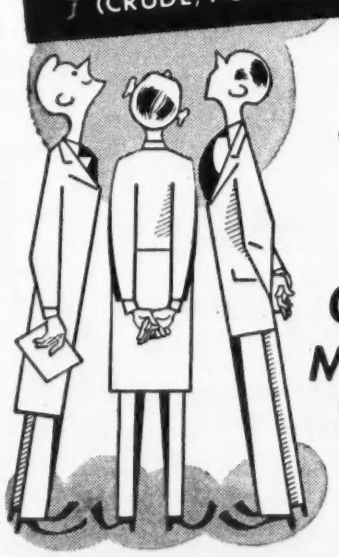

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was said to not have stimulated buyer inquiries beyond what had been characteristic of the market in recent weeks. Ribbons, being more of a specialized item than powder, naturally was in definitely less demand.

Herbs and Leaves

Belladonna—The price trend on belladonna was upward recently, particularly in some quarters. While quantity leaves were still available at 35c. per pound, the feeling was generally held that most trading was being done at levels of around 50c. per pound.

Sage—Prices of the various grades were unchanged from levels established the previous week. Trading was described as slow, and buying interest light.

Seeds

Mustard—Trading was quiet in this item, but not much worse than the seed business generally, which has been quite slow for an extended period. Montana yellow was off fractionally last week, being quoted at 9¼c., as against the former 9½c. Oriental was off 1c. from previous schedules, being quoted at 5½c. last week. New crop Danish material was quoted at 11c. for material now afloat, but spot prices on the old crop were quoted at 13½c.

Poppy—This market was described as relatively steady at the slow pace of trading that has been characteristic during recent weeks. There was only one price change last week in the poppy seed market, and that was a decline of ½c. per pound on Dutch. Check and Polish seeds were, of course, not available and the mark on these was entirely nominal. Dutch seeds, however, were quoted at 17½c. to 18c. per pound.

Strophanthus—The current market price on biologically tested seed was firm and steady at $3.25 per pound. The biologically tested material naturally commands a higher price than the untested seed because of the high cost of running the tests on animals to determine the potency of the seed, but it has the advantage of furnishing the consumer with seed of established and known potency.

Spices

Cassia—Canton material was not to be had, and was strictly nominal. Medium Saigon was quoted higher at price levels of 40c. to 42c. per pound, while the thin Saigon ranged in price from 50c. to 52c. per pound, about 2c. lower than previously listed. Buds remained firm at 65c. to 70c. per pound.

Cloves—The clove market continued its upward trend of recent weeks, and advanced another 5c. per pound last week. Both Madagascar and Zanzibar were listed at $1.55 per pound. Consumption of cloves in the far east was such as to make offerings to the American market relatively limited, leading to the strong tendencies currently prevailing.

Ginger—This market was steady with adequate supplies available. Prices remained essentially unchanged, except for a ½c. per pound lower quotation of Nigerian split. Jamaicas were firm.

Mace—This market was somewhat on the weak side recently, with trading limited. Prices declined on some grades last week. Siauw No. 1 was down 2c. per pound, being quoted at 98c. to $1 per pound. West Indian was off a cent, bringing current quotations to 85c. to 86c. per pound.

Nutmeg—In general the nutmeg market was fairly steady, but West Indian was off 1c. per pound, current quotations standing at 30c. to 31c. per pound. East Indian whole nutmegs were firm at 34c. to 35c. per pound, with shriveled at a cent lower than whole.

Paprika—The market on this spice was characterized by short supply, which made for a strong price position. Moroccan was up 3c. per pound, being quoted at 27c. to 28c. New crop Spanish stuff was expected to arrive early in November, and this first shipment now afloat commanded a considerably higher price than that at which the old crop had sold prior to its exhaustion.

Spanish paprika afloat was last week quoted at 41c. to 44c. per pound. The new Spanish crop was reported as very short this year, and second pickings of relatively poor quality. However, it was felt than by arranging spread shipments, most requirements in the months ahead could be met.

Pepper—The pepper market continued to fluctuate within a range of a few cents, up and down, without taking any definite trend in either direction. At the mid-week black pepper was listed at $1.70 to $1.72 per pound, 2 cents under the previous Friday's price. The unsetled conditions, politically, in primary market centers were such as to give a very uncertain picture on the immediate future supply position. Spot black pepper dropped 12c. during the week, being quoted at $1.63-$1.64 per pound Friday.

These happenings would normally be reflected in an upward price trend, but in the American market no such disturbance was reported. Arrivals and material released for shipment has been adequate to take care of the foreseeable and seasonal needs for October and November. December is a month of usually declining demand, so that with the balance of this year in a fair supply position, traders adopted a wait and see policy on future business.

Nearby Malabar at the mid-week was quoted at $1.67 to $1.68, and November shipment Lampong was listed at $1.32 to $1.34.

Red peppers were still in bad shape with respect to supply. Spot Mombassa was listed at 42c. per pound in limited quantity, and November/December Hontaka Chilles at 43½c.

White peppers were priced on spot at $1.58 per pound, while white for November delivery was quoted at $1.54, and November shipment at around $1.48 per pound.

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Essential Oils, Other Aromatics

Business during the past week in the essential oils and aromatic chemicals market was said to have been good, particularly if the number of orders received were taken as the criterion. Cosmetic manufacturers and perfumers were active in placing orders, a great many of them in preparation for the holiday demands of the market. Pharmaceutical manufacturers figured largely, also, in increasing the total volume of sales. However, prices were very low in many of the oils that comprised the largest volume of sales. Lemongrass and citronella oils were just two examples. The price index for the week was 166.77, showing a decline of 0.28 point from the previous week.

In the wake of the greatly weakened market for citronella oil, several derivatives of this oil declined in price. Citral, citronellal and citronellol were among these, as was hydroxycitronellol. The downward tendency in these prices put the consumer in a favorable position, particularly since supplies were greater than at any time in the recent past. A similar situation was exhibited by derivatives of lemongrass oil. Methyl ionone was offered at a lower price during the past week, and was in good supply, while the other ionones were also found in a position of very comfortable supply. Linalool, ex bois de rose, was offered at a lower price as a result of recent price drops in bois de rose oil. Linalyl acetate, ex bois de rose, declined in price for the same reason. A small decline was registered for terpineol.

Several essential oils were found at increased prices. The largest increase during the week was made by sandalwood oil, when the price was raised to offset increased import prices. Grapefruit oil was quoted at a higher price, this oil remaining in tight supply. The prices of both crude and rectified birch tar oils were higher, as a result of higher prices in effect at the origin.

Several significant price decreases were made by essential oils, the chief of them being peppermint oil, both natural and redistilled. A weak demand put this oil in a very uncertain position. Ginger oil was found at a slightly lower price, although it was far from being in a position of oversupply. Cubeb oil moved from its usual steady price position with a fairly large price drop.

Market Trends

Prices Advanced

Oil, birchtar, crude, 20c. per lb.
Rectified, 20c. per lb.
Grapefruit, 25c. per lb.
Sandalwood, 75c. per lb.

Prices Reduced

Citral, 20c. per lb.
Citronellal, 5c. per lb.
Citronellol, 25c. per lb.
Hydroxycitronellol, 45c. per lb.
Linalool, ex bois de rose, 35c. per lb.
Linalyl acetate, ex bois de rose, 90-92%, 25c. per lb.
Methyl ionone, 10c. per lb.
Oil, cubeb, $1.35 per lb.
Ginger, 50c. per lb.
Peppermint, natural, 15c. per lb.
Redistilled, 10c. per lb.
Terpineol, prime, 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 2, 1951
166.77	167.05	170.19	210.80

(For Current Prices see Page 9)

Essential Oils

Anise—The supply situation for this oil, which has been very bad in the past months, has grown even worse in past weeks. The acute lack of supplies was felt particularly during the present season when the demand for the oil is ordinarily greater. The stoppage of replacement shipments from China, which created the shortage problem, continued as an insurmountable problem. And the situation of shortage was only intensified by the cutting off of secondary supply sources. Price quotations for the oil were in some cases nominal, as many dealers had literally no supplies of the oil to offer. Where the material could be obtained, prices ranged from $2.25 to $2.75 per pound.

Birchtar — Prices quoted during the week for crude oil ranged from $1.70 to $2 per pound, this lowest offer being 20c. per pound higher than the previous low offer. Rectified oil was increased in price, too, the price going up 20c. to $2.85 per pound. The higher cost of the material at the place of origin was said to be the cause of the price increase for the oil. A keener interest in the oil on the part of consumers was noted by observers in the trade.

Cubeb—A price of $4.50 per pound, reported during the week, was far under the previous low price for the oil. This new low price was thought not to represent a sudden decline in the usually steady price position of this oil. As a small item on the market, it had not been found to fluctuate greatly in the past and the current lowered price, observers felt, would not likely be followed by a general downward shift in prices. Dealers reported inventories adequate to satisfy the current consumer demands.

Eucalyptus—Prices for all grades of the oil remained unchanged from those reported earlier, reflecting the current settled condition of the market for this material. Inquiry has remained good, it was stated in the trade, and gave evidence of holding at the level of recent weeks. Supplies were maintained at levels high enough to satisfy most demands of the market, replacement being easily available from the producing countries.

Ginger — A price lower by 50c. per pound was reported during the past week when the material was offered from $14.50. The price decline was made in spite of the fact that supplies appeared to be none too plentiful. Moderate inquiry for the oil was noted in the trade, making this market a relatively untroubled one.

Grapefruit — Price quotations of $2.75 to $3.50 per pound represented an increase of 25c. per pound and reflected the scarce supply situation of this oil. Not a great deal was being offered on the market. Demand for the oil, however, has been steady and in the past week continued to be good. The resulting condition of tightness, it was reported in the trade, might easily continue unrelieved for the immediate future.

Lemon—California oil was offered from $5.85 to $6.30 per pound, depending upon maker, a price range that showed no change from that of the previous week. Supplies were offered more freely, however, some observers stated. The possibility existed that California oil, currently in tight supply, might weaken. Prices for Italian oil were quoted from $5.85 per pound to $9.50. This oil, too, was offered somewhat more freely and was said to show a possibility of slightly weakened prices in the near future.

Orange—The recently weakened market for all orange oils remained somewhat steadier in the past week. Prices were maintained at approximately the level of the previous period. California oil was priced from $1 to $1.75 per pound, depending upon brand, and was said to have moved into a somewhat firmer position. Florida oil was offered from $1 to $1.55 per pound, according to maker. The price position of this oil remained weak. Prices for both oils varied greatly and were reported being shaded considerably for spot sales. Imported oils, Italian and West Indian, were available in quantities sufficient for current demand and remained in a less active price position.

Peppermint—Natural oil was found at a low price of $5.60 per pound, 15c. less than the previous low offer. Redistilled oil followed the downward price shift, going to $5.90 per pound from $6.00. The price drops were viewed as a continuation of the price decline exhibited by the oils in recent weeks, during which trading in them has been spotty and the outlook generally uncertain. In the past week they were offered freely at the weakened prices mentioned above. With ample supplies available on the market and demand depressed, the future for the oil remained unsettled.

Sandalwood—With the previous low offer for this oil withdrawn, the prices ranged from $10.50 to $11.80 per pound, up 75c. from the price range formerly asked for the oil. The price rise was said to follow an increase in prices effected by the exporters in the country of origin. Demand for the oil here in this country was tightening up somewhat, according to reports by those in the trade.

Spearmint—Available generally from $7.75 to $9 per pound, this oil showed no prices change during the past week. The situation became somewhat more settled as an increased demand made itself felt, with the longer term outlook, particularly, offering evidence of a firmer demand. Some speculation was heard as to

For Late Market Developments, See Page 4

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the possible influence the Japanese material would exert on the domestic market, but this situation was considered still too uncertain for reliable forecasts. It was thought by most observers that well-established year around market requirements would keep demand from falling off for an extended period.

Aromatic Chemicals

Citral—A price of $3.20, quoted during the week, represented a drop of 20c. per pound in the minimum offer for the oil. The decline was the second in recent months and could be explained as the result of the weakened position of lemongrass oil. With large supplies of this oil in current inventories and imports continuing at a high rate, the position of citral would likely remain in the weakened spot it had reached in past weeks.

Citronellal—The price of this citronella oil derivative dropped slightly during the past week, going down 5c. to a low quotation of $1.60 per pound. The weakened price situation that characterized all of the derivatives of citronella followed from the recent softening of the market and the extensive downward shift in prices. The large quantities of citronellal in present inventories were ample to satisfy the current demand, it was reported in the trade.

Citronellol—At the current price of $1.80 per pound, the material was available at 25c. less than the previous low offer. The decline was attributed, as in the case of other citronella oil derivatives, to the weakening of the base oil. Demands of the market could easily be met from the current large supplies generally reported on hand.

Engenol—Although the material was available at the same prices quoted previously, the trend in prices was said to be going upward. In fact, it was doubted in the trade if the current low offers of the material at $2.90 per pound could long be maintained. The cause of the difficulty was attributed to the high cost of clove buds, which has shown a continued tendency to increase. The substitution of the leaves and stems for the buds in the manufacture of the oil was said to produce a cheaper product, but a less satisfactory one.

Ionones—As a lemongrass oil derivative, methyl ionone followed the downward price trend exhibited by that oil in the past weeks. A reduction of 10c. was made i.. the previous low offer, bringing it to $3.80 per pound. The material was available in ample amounts to satisfy current demand. Alpha and beta ionones were in a similar position of easy availability, although the previous low quotations remained unchanged.

Linalool—The price of the oil derived from bois de rose was lowered by 70c. per pound and was available from $5.60 in the past week. Since attempts by the country of origin to maintain a price floor on bois de rose oil were not entirely successful, the price of the derivatives of this oil continued to be weak. Larger stocks were reported available to satisfy the current demand, which showed no corresponding tendency to increase in past weeks.

Phenylethyl Acetate—The material was available at the lower prices quoted for it recently. Prices during the week ranged from $1.20 to $1.57 per pound. A well maintained production kept supplies at a good level. Consumers, as a result, found no difficulty in filling their orders.

Terpineol—The previous low price of the prime material was lowered by 1c., making it available at 35c. per pound. The extra grade material was available from 48c. per pound and showed no price changes. Both grades were said to be in good supply, while demand was up to the level noted in the recent past.

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Monsanto Shifts Woodmansee To Cincinnati Plastics Post

Harold D. Woodmansee has been named branch manager of the newly-created Cincinnati, Ohio, sales office of Monsanto Chemical Company's plastics division. Mr. Woodmansee transfers from the division's Detroit, Mich., sales office, where he has been branch manager since January 1. His Detroit responsibilities have been assigned to Donald H. Kocher, who has been promoted to assistant branch manager there.

Mr. Woodmansee joined Monsanto in 1932, in the laboratories of the division's headquarters at Springfield, Mass. He has been a member of the sales department since 1944. Mr. Kocher joined the plastics division at Springfield in 1946. He has been a salesman since 1947 and attached to the Detroit office since 1951.

Carbide Reassigns Berger

Lester D. Berger, jr., has returned to Carbide & Carbon Chemicals Company's offices in New York as assistant product manager in the company's fine chemicals division, H. B. McClure, vice-president, has announced. For the past two years, Mr. Berger has been an assistant to Clark E. Center, general manager of Carbide's atomic energy operations at Oak Ridge, Tenn., and Paducah, Ky. Prior to that, he was located in the New York offices, coming there from Seattle, Wash., where he was district sales manager.

Tenn. Eastman Issues 1953 Catalog

Tennessee Eastman Company, division of Eastman Kodak Company, has published its 1953 catalog of Eastman industrial chemicals. An important addition to this year's catalog is the inclusion of those chemicals produced in whole or in part by Texas Eastman Company, Eastman Kodak's new chemical manufacturing division in Longview, Tex. Among those products resulting from the activities of the Texas division are normal butyric anhydride, isobutyraldehyde, isobutyl alcohol, isobutyl acetate, 3-methoxybutyl alcohol, 3-methoxybutyl acetate and di-isobutyl phathalate.

The 1953 catalog contains specifications, properties and typical uses of some fifty-four of the company's industrial chemicals and lists the various fields in which each compound finds its greatest use. Copies of the new edition are available upon request to the chemical sales division, Tennessee Eastman Company, Kingsport, Tenn.

Oak Ridge Institute Names Pollard to Second Term

William G. Pollard has been appointed to his second five-year term as executive director of the Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.

Dr. Pollard, one of the organizers of the institute, has been associated with the organization since October, 1945, when the University of Tennessee granted him a leave of absence from his post as professor of physics in order that he could devote all of his time to its development.

Chicago Cosmetic Chemists To Hear Bernstein Nov. 11

The Chicago chapter of the Society of Cosmetic Chemists will hold its next meeting November 11 at 6:30 p.m. at Henrici's restaurant in the Merchandise Mart, Chicago. Dr. Richard B. Bernstein, associate professor of chemistry, Illinois Institute of Technology, will be the guest speaker. His subject will be "Application of Infrared Spectrometry to Cosmetic Materials."

NACDS Issues 1952 Directory

The National Association of Chain Drug Stores has issued the 1952 edition of its directory of associate members. The publication lists associate members of the organization alphabetically, showing names of officers and sales executives, addresses of headquarters, branches, plants and factories, together with business classification.

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PANAREZ 6-210	11	200-220	170	0-1
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Protective Coatings Materials

The price schedules of zinc oxide were reduced last week. The reductions ranged from ¼c. to ½c. for leaded, lead-free, and French process white, green, and red seals. Recent changes in metal prices were explained as the reason for the revision. Zinc dust pigment was also affected by metal changes. Orange grades of shellac showed some softness, but only TN was reduced last week. There were no other price revisions in this market.

There has been no change in antimony oxide. Demand has not shown any appreciable signs of picking up. There has been some pickup in lead pigments along with the general improvement in activity in the trade. Prices of lead pigments held firm. It was felt that white leads would not change now since they did not follow the last metal reduction immediately.

Importers stated that the primary market for shellac was off a bit making the easier tone in oranges. It was said that the prices were not likely to change in this market unless Calcutta prices stayed down for a week, or so. Natural gums have shown a little improvement lately. Business was not up to former levels, but there was steady buying.

Alkyd resins continued to move well. Some producers anticipated price adjustments in the future. Demand from industrial finishes was holding up well. One source felt that the price of phenolics were still low and some advance was forthcoming. Phenolics were moving well and producers looked for the activity to keep up. There have been no price changes in the polymethacrylates recently. Demand was fair. Urea-formaldehydes were moving well. Demand was strong.

In the asbestos market, demand for the long fibers has been kept up to a fairly good level. Demand for the short fibers has not been quite as good. Another factor which makes the market for short fibers look easier, was that more shorts are produced, it was said. Casein continued to be relatively quiet last week. One source stated that there was a little more demand than there had been in the previous week or two. However, demand was not at the level that it was earlier.

Market Trends

Prices Advanced

None

Prices Reduced

Shellac, TN, 1c. per lb.
Zinc dust, 1c. per lb.
Zinc oxide, lead-free, ½c. per lb.
leaded, 35%, 0.35c. per lb.
50%, ¼c. per lb.
French process, green seal, ½c. per lb.
red seal, ½c. per lb.
white seal, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 2, 1951
88.43	88.43	88.44	100.96

(*For Current Prices see Page 9*)

Prime Pigments

Antimony Oxide—There has been no change in this market. This pigment has been moving along at a comparatively slow rate. There have been no significant indications that demand was going to be better in the immediate future. Supplies were currently adequate for consumer requirements. Prices have held to their old levels.

Carbon Black—Daily average production of furnace blacks increased 8 percent while shipments increased 11 percent in September, according to information released by the Bureau of Mines. Contact shipments declined from the August level but remained above July shipments. Stocks of furnace blacks dropped for the first time since June, 1951. Contact stocks continued to build up. August exports increased sharply over July. Following is a table comparing the months of September and August, expressed in pounds:—

Production

	Furnace	Contact	Total
Sept., 1952	80,975,000	42,349,000	123,324,000
Aug., 1952	77,821,000	44,329,000	122,150,000
Sept., 1951	92,181,000	51,620,000	143,801,000
Jan.-Sept., 1952	773,817,000	435,737,000	1,209,554,000
Jan.-Sept., 1951	752,828,000	483,912,000	1,236,740,000

Shipments

	Furnace	Contact	Total
Sept., 1952	83,132,000	37,662,000	120,794,000
Aug., 1952	76,098,000	39,156,000	115,254,000
Sept., 1951	83,038,000	48,063,000	131,101,000
Jan.-Sept., 1952	721,005,000	339,936,000	1,060,941,000
Jan.-Sept., 1951	726,043,000	458,211,000	1,184,254,000

Stocks

	Furnace	Contact	Total
Sept., 1952	134,394,000	217,904,000	352,298,000
Aug., 1952	136,551,000	213,217,000	349,768,000
Sept., 1951	48,636,000	91,015,000	139,651,000
Jan.-Sept., 1952	134,394,000	217,904,000	352,298,000
Jan.-Sept., 1951	48,636,000	91,015,000	139,651,000

Exports

	Furnace	Contact	Total
Sept., 1952	[1]	[1]	[1]
Aug., 1952	12,210,000	19,[illegible]2,000	31,[illegible],000
Sept., 1951	9,077,000	21,116,000	30,193,000
Jan.-Aug., 1952	85,312,000	133,424,000	218,736,000
Jan.-Aug., 1951	102,760,000	[2]199,797,000	[2]302,557,000

[1]Not available. [2]Revised.

Green, Chrome—August production of C.P. material was 660 short tons, according to the Bureau of Census, while the revised figure for July output was 587 tons, and production in August last year was 428 tons.

Lead Pigments—There have been no further price changes in these pigments. Producers felt that white leads would not follow the previous week's reductions in oxides and the metal.

It was said that demand has shown some improvements during the past several weeks as the general level of business during this last quarter has looked better. Producers felt that the improved levels will hold fairly well for the rest of the year.

Orange, Chrome, Molybdated—Production of this pigment in August was 267 short tons, compared to 217 tons in July, revised, and 244 tons during August of last year, according to the Bureau of Census.

Orange and Yellow, Chrome—According to the Bureau of Census, August output of chrome yellows and oranges, C.P., was 2,052 short tons, compared to July production of 1,713 tons, revised, and 2,740 tons in August, 1951.

Zinc Dust—The price of this pigment was reduced 1c. per pound last week as a result of the decline in metal previously. Current quotations of the pigment grade were 16c. per pound in carlots, and 17c. per pound in less than carlots.

Zinc Oxide—Producers announced a reduction in the schedules of this pigment following the trend set by the metal in the previous week. Current quotations of lead-free were at 14.25c. per pound in carlots, and 15.25c. per pound in less than carlots. Schedules of 35 percent leaded were 14.40c. per pound in carlots, and 15.40 per pound in less than calrots. Carload quantities of 50 percent leaded were 14.50c. per pound, and less than carloads were 15.50c. per pound. French process white seal was 16½c. per pound for carlots, and 17½c. per pound for less than carlots. Green seal was 16c. per pound in carlots, and 17c. per pound for less than carlots. Carlots of red seal were 15½c. per pound, and less than carlots were 16½c. per pound.

In terms of reductions, lead-free was down ½c., 35 percent leaded was reduced 0.35c., 50 percent leaded was down ¼c., French process white, green, and red seal were all down ½c.

Synthetic Resins

Alkyds — There was no significant change in this market. Many producers reported that demand was still quite good. The pickup in interest at the end of August and the beginning of September has been held fairly well. The same conditions seem to hold true for modified alkyds, special alkyd plasticizing resins, and straight alkyds. Industrial finishes have done much to improve the outlook of this market since the slow months earlier in the year. Automobiles and home appliances have been moving at a steady rate, making things look good for the rest of the year.

It was said that September price increases were not enough to keep these resins at a profitable level and further advances could be expected. Supplies were adequate for consumer requirements.

Phenolics—Demand for these synthetics has been kept up pretty well. Producers looked for the present levels of business to hold for the rest of the year. It was said that prices were still at a low level and would probably have to come up in the future. At present there was some variation in the schedules of different producers because many suppliers advanced prices in early September from ½c. to 2c., while other advances were between 10 and 15 percent. The result was a wide range between producer quotations.

Polymethacrylates—Demand for these resins was said to be fairly steady. There have been no particular changes in this market in recent weeks. Prices have remained steady and no changes in the schedules were contemplated. Supply was adequate for the immediate needs of buyers. Prices of the emulsions of

For Late Market Developments, See Page 4

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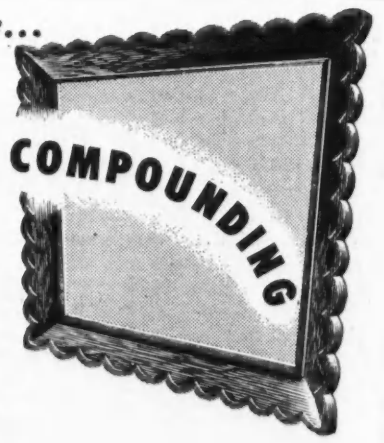

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these resins have not changed and were not exected to be revised.

Urea-formaldehydes — These resins were currently moving well. One source reported that demand was strong. Producers looked for present levels of activity to keep up during the remainder of the year. There have been no price changes reported since the advances early in September.

Natural Resins

Importers said that the gums have been going a little better during the past several weeks as the general level of activity has picked up. One source stated that consumers which normally buy in less than carlots were still buying on a hand-to-mouth basis, however, they were buying material at a steady rate. The significant fact was that consumers were not buying ahead like they had done in the past. Previously, many consumers bought natural gums three or four months ahead of their immediate needs. Now, an occasional consumer was buying material about two months in advance of requirements.

Supplies were ample to take care of present buying. Importers did not anticipate any future shortages. Prices have remained fairly steady at current levels. Singapore prices have not shown any weakness. Congo prices were already thought to be at bottom, and were not expected to change. Importers felt that it would be better if prices remained where they are now.

Shellac—Importers reported that there was not very much change in this market during the past week. It was said that the primary source was off a bit, but it was not reflected in a general reduction in the American market. Demand for the orange grades was a little weaker. Prices were said to be weaker. Quotations of TN were 1c. lower than previous schedules, making the range 25c. to 27c. per pound. Prices of the other oranges were the same as they had been. Bleached grades were a bit steadier. Prices were firm. Supplies were adequate for current requirements.

Miscellaneous Materials

Asbestos—There has been no particular change in this market. Demand for the long fibers has been sustained at a fairly good level. The balance between supply and demand has not been as close with the short fibers, because there is less call for shorts. Furthermore, there is more short fiber material made, it was said. One producer expected that there would be little change in this market before the first of next year. Prices have remained at their previously established levels. No changes in the schedules were anticipated during the rest of this year.

Casein — There has been no drastic change in the conditions which have existed in the market for the past few weeks. One importer said that the market was still quite dead, while another source stated that it was a little better. It was added that a little material was still moving, however, the mills were also reported to be holding back somewhat. One source said that the activity was not like it was earlier, but casein was still moving, and inquiries were good. Some importers report that their hands are tied because they have exhausted their license quotas. Prices of imported material were unchanged from previous weeks. It was said that two large domestic producers in the west have stopped production.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
F	7.25*		...	...	...
G		7.25‡			
K	7.30*	...	7.05‡	7.05‡	7.25‡
N	7.29*		...	...	...
WG	7.70*	7.36*‡		7.45*	7.50*
WW, X	...	7.70*	7.70*	7.50‡	...

Sales, USDA

435* 759* 300* 516* 347*

Savannah Exchange (per 100 lbs., dms.)

Receipts	...	226	432	20	...
Shipments		464	32		16
Stocks	9.922	9.684	10.084	10.104	9.938

New York
(per 100 lbs., c.l., Friday)

B-N, $8.35; WG, $3.50; WW, $8.80.

Rosin, Wood

(USDA, per 100 lbs.)

FF 4.15‡ 4.31* ... ...

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	...	.535‡	.5375‡	...	.5375†
Sales	...	8.000§		...	8.000§

Savannah Exchange (dms.)

Receipts	...	325	190	91	394
Shipments	62	1.261		104	191
Stocks	2.231	1.295	1.485	10.104	1.675

New York, Friday, per gal. 7 lbs., tankcars, 63c. l.c.l., 73½c.

Turpentine, Wood, Steam Distilled

(USDA, per 7 lb. unit)

.44‡ .58* ... ...

*Drums. †Tankcars. ‡Bags. §Carlots. §Gallons.

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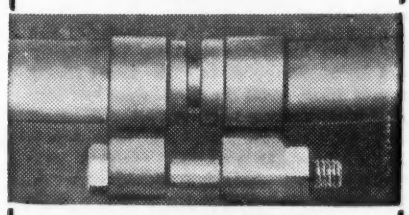

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Standard-Toch Announces New Color Matching Device

A new idea in retail paint selling — "The Automatic Color Carousel," which, it is claimed, can match in less than ninety seconds virtually any color in the spectrum — has been developed for its dealers by Standard-Toch Chemicals, Inc., Staten Island, N. Y. Completely automatic, the device is said to make the matching of colors from color chips a simple operation, requiring no skill.

Needing only five square feet of floor space, the unit stores specially formulated liquid colors in containers housed in a varicolored revolving drum atop its counter-high base, and measures them into cans of base paints, enamels, or stains. Through a selective mechanical and electronic control system, code numbers printed on the backs of color chips are transferred by a setting of dials into the matching color in flat, semigloss, gloss, or deeptone wall paint, house paint, floor enamel, decorative enamel, or pigmented stain.

The dials are set simply, similar to tuning a radio. With this done, and an open can of the base finish in place, the automatic cycle is started by touching a button. The device then measures the necessary amounts of color into the can and signals by light and bell when it is finished. The cycle takes only from thirty to ninety seconds.

Kelley Named Assistant To President of Pabco

Joseph J. Kelley, who for the past 35 years has been associated with United States Gypsum Company, Chicago, in an executive capacity, has been named assistant to the president of Pabco Products, Inc., with headquarters in San Francisco.

Mr. Kelley started his business career with United States Gypsum, and except for service in the Air Force during World War I, had been with that company continuously until he recently resigned to accept the Pabco position. Mr. Kelley served as service manager with headquarters in Chicago and as works manager at United States Gypsum plants at North Kansas City, Mo.; at Gypsum, near Cleveland, Ohio, and at Oakfield, near Buffalo, N. Y. He had recently been manager of the paper procurement division for the seven major felt and paper mills of the corporation.

Schenectady Varnish Names Meyer Ass't Research Head

Dr. John F. Meyer has been appointed assistant research director of the Schenectady Varnish Company and its division, Schenectady Resins, Schenectady, N. Y. From 1936 to 1941, Dr. Meyer was assistant instructor in organic chemistry at the University of Pennsylvania. In 1941 he became assistant professor of organic chemistry at Clarkson College of Technology. He left there in 1944 to join the Schenectady Varnish.

Phila. Paint Technicians Set Meeting Wednesday

The Philadelphia Paint and Varnish Production Club will hold its next meeting Wednesday at 6:30 p.m. at the Engineer's Club. The group will observe "Bill Werner Night" and will hear a talk by J. A. Plummer, production manager of the Micro-Klean Filter Division of the Cuno Engineering Company. His topic will be "Filtration Equipment in the Paint Industry."

Cleveland Paint Club Hears Gillis Thursday

The Cleveland Paint, Varnish and Lacquer Association will meet November 6 at 6 p.m. at the Statler hotel, Cleveland, Ohio. Guest speaker will be John L. Gillis, vice-president and general manager of the organic chemicals division of Monsanto Chemical Company, St. Louis, Mo.

DuPont Trade Sales Post to Ware

E. I. duPont de Nemours & Co., Wilmington, Del., has named Gordon W. Ware advertising supervisor of trade sales in its finishes division. Mr. Ware, formerly supervisor of industrial finishes advertising, has been with duPont's finishes division since 1924.

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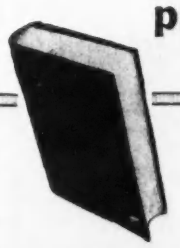

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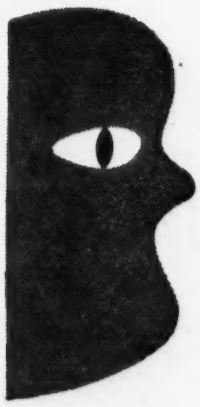
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Oils, Fats and Waxes

Further strength developed in coconut oil and prices were sharply higher, but reaction set in and net gains were reduced to ¼ cent per pound last week. Higher prices for copra were not sustained, the market declining fractionally. Increased cost of coconut oil boosted prices of capric, caprylic and lauric acids. Trading continued spotty in most oils. Cottonseed oil was firmer and slightly higher. Peanut oil continued strong due to limited stocks and little prospect of the government releasing peanuts for crushing until after the turn of the year. Refiners entered the market for crude soybean oil which lifted the market fractionally. Corn oil was inactive and slightly lower.

Tallow and greases remained steady under a good demand from domestic users. Soapers continued to absorb sizable quantities of the better grades of tallow at prevailing prices. Export business was light and transacted at premiums. Buying interest for other animal oils continued spotty—and quotations were more or less nominal.

Linseed oil developed a steadier tone with the stronger flaxseed market and sellers were not disposed to shade asking prices. Tung oil was easier declining fractionally under increased arrivals from the Argentine and slow demand. Refined fish oil was steady, and reflected the higher cost of crude menhaden oil which was raised fractionally.

Stocks of palm oil on spot were materially smaller and the market was firmer with the increased cost of shipments. Prices were raised fractionally for prompt shipment.

Trading in oilmeals continued slow. Soybean meal continued unsettled and offered freely. Linseed meal was maintained at the ceiling. Producers were practically out of the market with resellers offering at $2 per ton above the ceiling. Cottonseed meal was quiet and generally held at ceilings.

Vegetable Oils

Castor Dehydrated—Demand was restricted to withdrawals against current orders. New business was quiet. Prices were maintained at former levels.

Coconut—Crude oil was firmer, scoring net gains of ¼c. per pound. Crude oil was quoted at 14¾c. per pound, tankcars, f.o.b. Pacific coast, November shipment and 14½c. for December. Stocks were unavailable on spot New York and market was merely nominal at 16¼c. per pound, tankcars, mid-November delivery.

Copra—Shipments were irregular and reacted lower, declining $10 per ton. Shipments were nominal at $190 per ton, c.i.f. Pacific coast.

Corn—Trading was light. Market was easier and fractionally lower. Crude was sold at 14c. per pound, tankcars, f.o.b. mills. Refined oil was quoted at 17¼c. per pound, tankcars, New York delivery.

Cottonseed—Bleachable cottonseed oil futures trading continued exceedingly light last week. The market backed and filled and prices were practically unchanged for the period. Refiners sought oil for nearby delivery and absorbed December offerings. Speculative trading continued slow and there was a noticable absence of hedging sales. Crushers continued to place oil under the government loan program and trade estimates of new crop crude oil tendered to the government were increased to about 3,300 tankcars, coupled with holdings of 2,200 tankcars of old crop oil. Open interest has been reduced to about 3,600 contracts. Refined cash oil remained steady at 17¾c. per pound, tankcars, New York basis. Offerings of crude oil continued light and market closed firmer with sales and bids at 14c. per pound, tankcars, f.o.b. mills, Southeast and 13⅝c. bid in Texas.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Oct. 31 follow:—

	Sales	Cents per pound High	Low	Close
November	1	16.40	16.40	16.20@16.24
December	337	16.42	16.17	16.25@16.26
March	261	16.50	16.27	16.41S
May	171	16.50	16.30	16.45@16.47
July	51	16.53	16.33	16.45S

Total sales, 821 contracts.

Memphis.—Trading quiet. Crude cottonseed oil 13¾c. bid and soybean oil 11c. bid, tankcars, f.o.b. mills, November-December. Cottonseed and soybean meals in better demand, with less selling pressure on the latter. Market may work higher.

Linseed—Higher cost of flaxseed created a firmer tone in the linseed oil market and asking prices were maintained at the recent decline. Raw oil was firm at 14.80c. per pound, tankcars, Minneapolis and 16.05c., tankcars, New York, November-December delivery. Trading was light, chiefly for actual needs, while delivery against former contracts continued in active request.

Minneapolis.—A fairly substantial amount of linseed oil was booked this week at around 14.7c. per pound and lower, although most crushers held firm on the rock bottom price of 14.8c. a pound, in tankcars, f.o.b., Minneapolis. There was talk that some sales were made at as low as 14.5c. The business was accomplished prior to an advance of two-tenths of a cent on Oct. 29, which brought the price back to 15c. a pound, where it was a fortnight back. Shipping directions continued excellent.

Shipments of linseed oil, in pounds, were as follows:—

	1952-53	1951-52
Past week	10,800,000	6,600,000
Since Sept. 1	81,600,000	73,620,000

Flaxseed—Seed market firm and higher. Trading light and spotty.

Department of Agriculture reported flaxseed stocks stored in all positions, October 1 at 31,911,000 bushels, against 33,192,000 bushels, a year ago. The total included this year's production.

Minneapolis.—Flaxseed displayed firming tendencies the past week. Marketings dropped off a bit and processors and elevator buyers were forced to boost bids upward 1c.—offering to pay 2c. a bushel under the spot futures price for No. 1 cash seed. Purchases of flaxseed in the spot market amounted to 37 cars and around 30,000 bushels in trucklots while bookings "to-arrive" totaled only 10 cars, but in excess of 92,000 bushels in trucklots. Receipts dropped to 221 cars, which compared with 321 cars in the previous week and 372

Market Trends

Prices Advanced

Acid, capric, 1c. per lb.
Caprylic, 1c. per lb.
Lauric, 90%, ¼c. per lb.
60%, ½c. per lb.
Oil, coconut, crude, ¼c. per lb.
ref., 2c. per lb.
Cottonseed, crude, ⅛c. per lb.
ref., ⅛c. per lb.
Menhaden, crude, ½c. per lb.
Palm, ½c. to 1c. per lb.
Peanut, ref., ½c. per lb.
Soybean, crude, ¼c. per lb.
ref., ¼c. per lb.

Prices Reduced

Acid, myristic, ½c. per lb.
Copra, $5 per ton.
Lard, ¼c. per lb.
Oil, corn, crude, ¼c. per lb.
ref., ¼c. per lb.
Tung, ¼c. per lb.
Soybean meal, $2.50 per ton.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 2, 1951
116.54	117.07	109.92	132.84

(For Current Prices see Page 9)

Cottonseed Crush: September

Cottonseed received and crushed and production of cottonseed products during September and August, 1952, as compiled by Bureau of the Census, follows:—

Cottonseed

	Sept.	August
	Tons	
Receipts	1,173,465	397,546
Crushed	524,850	148,184
Stocks at mills	1,034,875	386,260

Crude Oil

	Pounds	
Produced	156,459,000	44,768,000
Stocks at mills	71,979,000	22,627,000

Refined Oil

	Pounds	
Produced	71,655,000	42,285,000
Factory and whse. stocks.[1]	288,212,000	318,006,000

Cake and Meal

	Tons	
Produced	248,660	70,059
Stocks at mills	81,357	47,276

Hulls

	Tons	
Produced	106,944	31,862
Stocks at mills	42,244	25,775

Linters

	Bales	
Produced	[2]167,747	46,230
Stocks at mills	[3]183,955	112,507

[1] Includes 109,660,000 pounds owned by Commodity Credit Corp.

[2] Includes 41,224 bales first cut, 112,876 bales second cut, and 13,647 bales mill run. Average gross bale weights: Total, 599.7; first cut, 584.9; second cut, 607.5; and mill run, 580.1 pounds.

[4] Includes 39,483 bales first cut, 129,011 bales second cut, and 15,461 bales mill run.

For Late Market Developments, See Page 4

Soybean Crush: September

Soybeans received and crushed and production of soybean oil and meal during September and August, 1952, as compiled by the Bureau of Census, follows:—

Soybeans

	Sept.	August
	Tons	
Receipts	529,481	128,438
Crushed	449,065	526,483
Stocks at mills	352,536	272,120

Crude Oil

	Pounds	
Produced	155,632,000	178,795,000
Stocks at mills	53,672,000	53,585,000

Refined Oil

	Pounds	
Produced	166,542,000	175,008,000
Factory and whse. stocks	96,046,000	124,222,000

Cake and Meal

	Tons	
Produced	351,374	418,562
Stocks at mills	51,546	63,737

cars in the same week last year. Shipments from Minneapolis totaled 50 cars as against 68 cars in the preceding week and 66 cars a year ago.

Shipments and receipts of flaxseed, in bushels, were as follows:—

	Receipts		Shipments	
	1952-53	1951-52	1952-53	1951-52
Past week	375,700	885,000	85,000	147,900
Since Sept. 1	9,221,300	12,131,400	1,155,450	1,605,000

Oiticica—Buying interest was limited, though the market remained steady. Prices covered a wide range from 21½c. to 22½c. per pound, tankcars, New York delivery, depending upon seller. On seller limited sales to consumers at the lower figure, while 22c. to 22½c. were named in the open market. Drums were quoted at 23½c. to 24c. per pound, as to seller and quantity.

Olive—Quietness prevailed in this market. Edible oil was in ample supply on spot and quoted at $2.30 to $2.45 per gallon, drums, duty paid, depending upon quality and quantity. Arrivals totaled 1,360 drums at New York last week chiefly from Spain. Olive foots were quoted at 15c. to 15½c. per pound, drums, spot as to quantity.

Palm—Stocks on spot were scarce and market nominal. Shipments were higher and advanced to 13¾c. per pound, drums and 11.60c., tankcars, New York for December-January delivery.

Peanut—Crude oil was scarce and strong, with sales noted at 19c. per pound, tankcars, f.o.b. mills. Offers were limited to an occasional carlot. Refined oil was firmer at 22¼c. per pound, tankcars, New York delivery.

The supply of peanuts held in commercial positions declined in September, as the first month of the 1952-53 milling season ended, according to the Bureau of Agricultural Economics. Holdings of peanuts in off-farm positions on September 30, expressed in farmers' stock equivalent, totaled 261,000,000 pounds, excluding shelled oil stock. This compares with 339,000,000 pounds on hand a month earlier and 228,000,000 pounds a year ago.

Rapeseed—Consuming inquiry was fair Refined oil was maintained at 16½c. per pound, tankcars, New York, prompt delivery.

Soybean—Trading in crude was fairly active for refiners account and market was stronger advancing fractionally. Crude oil was sold at 11⅛c. per pound, tankcars, f.o.b. mills, November-shipment and December-July was 11c. bid. Refined salad oil was offered at 13¾c. per pound, tankcars, New York delivery.

Stocks of old crop soybeans stored in all positions October 1 totaled 3,564,000 bushels, according to Department of Agriculture, compared with 4,159,000 bushels, a year ago.

Sales and prices of prime crude soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended Oct. 31 follow:—

	Sales	Cents per pound High	Low	Close
December	5	11.05	10.85	11.08@11.20
March	23	10.98	10.65	11.05@11.12
May	39	11.12	10.65	11.12S
July	26	11.12	10.68	11.11S

Total sales, 93 contracts.

Tung—Increased offerings and the light demand weakened the market. Limited trading was reported at 37¾c. per pound, tankcars, New York for spot delivery. Offers were quite liberal at this figure. Late November delivery was quoted at 36⅝c. December was nominal at 36c., with buying interest lacking. Drums were lower at 39¼c. per pound, carlots and 39¾c. to 40c. for smaller lots. Imports totaled 1,180 tons at New York from the Argentine last week.

Los Angeles Vegetable Oil Market

Los Angeles.—Following were tankcar prices, f.o.b. Los Angeles, unless otherwise designated:—

Castor, USP—27½c. per pound; No. 3, 27¼c. per pound; dehydrated, bodied, 34.1c. per pound, l.c.l., drums included; unbodied, 32.6c. per pound, l.c.l., drums included. Coconut, crude, 15¼c. per pound. Corn, crude, 14c. per pound; refined, 17.52c. per pound. Cottonseed, crude, 13.75c. per pound, California; 13⅝c. per pound Texas; refined, 17¼c. per pound, California. Linseed, 16c. per pound. Peanut, crude, 19c. per pound, f.o.b. mill; refined, 22½c. per pound. Soybean, crude, 11c. per pound, midwest; refined, 14.27c. per pound. Tung, 37.75c. per pound, New York.

Fats and Greases

Greases—This market remained steady, reflecting the improved tone of tallow.

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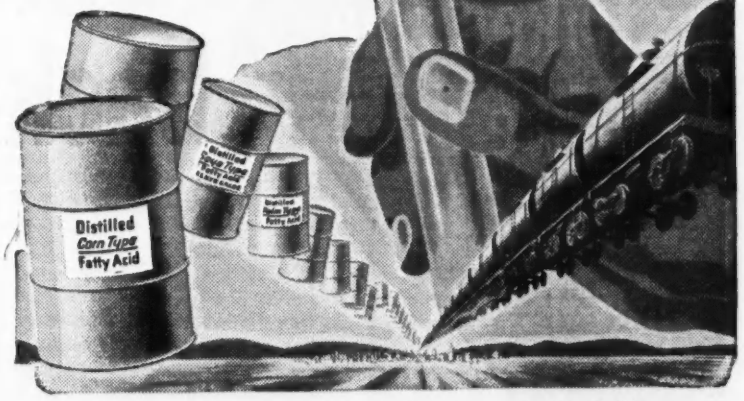

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Trading was reported fairly active for domestic delivery, while export business was slow. Prices were maintained for all grades. Choice white was quoted at 6c. per pound, tankcars, delivered; yellow, 4¼c.; house, 3⅞c. and brown, 3½c., same basis.

Lard—Market was easier, reaching new lows for the season. Trading was reported light. Cash lard was quoted at 8⅜c. per pound, tierces, Chicago.

Tallow—Trading was quite active for domestic account. Soapers were friendly to the market and absorbed good sized quantities of fancy and extra at prevailing prices. All grades were quotably unchanged and steady. Export business was reported light at premiums. Fancy was maintained at 5⅝c. per pound, tankcars, delivered; extra, 5⅜c.; special, 5c. and No. 1, 4¾c., delivered.

Fish Oils

Cod—Consumer demand continued confined to small lots for immediate needs. Prices were unchanged at 10c. to 10½c. per pound, drums, spot, as to quantity. Offers for shipment were light, but buying interest also was slow. Shipments were nominal at 9c. per pound, drums, exdock.

Refined—Refined oil was steady, reflecting improved export demand for crude which absorbed surplus stocks. Light pressed was maintained at 10½c. per pound, and alkali refined at 11½c. per pound, tankcars, New York basis. Fishing in the north Atlantic has closed for the season and was expected to end in the Gulf in the next two weeks. Market was firmer at 7c. per pound, tankcars, Baltimore and 6c. Gulf ports, with trading thereat.

Production of crude menhaden oil in August amounted to 2,455,310 gallons, bringing the total for eight months ending that month to 8,438,760 gallons, compared with 9,029,800 gallons for the same period last year. Final production last season totaled 12,537,115 gallons. Output of crude sardine oil for eight months ending August was only 3,126 gallons, against 629,590 gallons during the same time last year.

Los Angeles.—Menhaden oil, sold at 6c. per pound, f.o.b. Gulf ports for movement to the mid-west, the past week and may have a steadying influence on the local oil market. Although offerings of future sardine oil were withdrawn, crude tuna oil was offered firm at 7c. per pound, f.o.b. San Pedro. Pilchard fishing conditions remained exceedingly discouraging in Southern California waters with a predominate mackerel catch the past few nights. Boats are expected to stay in harbor until the next dark moon period.

Whale—Reports from London stated the British Ministry of Food has purchased the 1952-53 production of the factory ship 'Balaena' which is due to leave Norway for the Antarctic towards the end of October. The price to be determined is by a formula, but which will not be less than £70 per ton and not more than £78 per ton. This price is somewhat above recent valuations but well below that of last year. The United and Union Whalers' sold their production about this time last year at £110 and some months later most of the Salvesen output was dealt with at £90 per ton, with the balance eventually making a better price.

In view of the foregoing, some resale parcels of whale oil ex-tank in Rotterdam are held for £80 per ton while offerings of Australian oil for Oct./Dec. shipment were priced at £76 per ton, c.i.f., in bulk.

Fatty Acids

Feature of this market was the firmness of coconut fatty acid, which reflected the strength of coconut oil. Prices were firm at the recent advance. Lauric acid was higher and advanced ¼c. to ½c. per pound, as to grades, while myristic was reduced ½c. per pound. Other vegetable fatty acid remained steady at former levels. Deliveries against orders were in steady request, while new business was spotty. Red oil and stearic acid were in fair request. Capric and caprylic acids also were firmer and lifted 1c. per pound.

Cake and Meal

Cottonseed Meal—Resellers are making the market on meal in the Southeast, selling from $3 to $4 per ton under the ceiling price. Except for a few mills, the asking prices are maintained at the ceiling. Demand has dropped off sharply due to cheaper prices of soybean meal and slow demand from feed manufacturers of high protein feeds.

Linseed Meal—Resale meal available at $2 above ceiling with crushers practically out of market.

Minneapolis.—The linseed meal picture was unchanged, with both crushers and jobbers doling out supplies on a historical basis to regular trade. There were no open offers. Mill offers were very limited at the ceiling of $78 a ton, bulk, in carlots, f.o.b., Minneapolis. Resellers prices were at $80 to $80.50 a ton. Shipping directions were good, although much lower than in the corresponding week a year ago.

Shipments of linseed meal, in pounds, were as follows:—

	1952-53	1951-52
Past week	11,220,000	16,800,000
Since Sept. 1	117,240,000	130,420,000

Peanut Feed—A few isolated cars of peanut feed were sold at $92 per ton sacked, f.o.b. South Georgia mill points for November shipment. Feed stocks are hardly large enough to establish a market, and feed manufacturers are not buying except for actual needs. Until the government decides to release peanuts for crushing, there will be practically no feed available.

Soybean Meal—General slow feed demand and heavy movement of soybeans to the processors continued to keep the soybean meal market inactive. Meal 44 percent was available for immediate shipment at $75 per ton, bulk f.o.b. Mississippi Valley points and November and December $1 to $2 per ton more. Meal was offered at $77 per ton bulk, basis Decatur for November-December shipment. Most feed manufacturers seem to be well covered for the time being and waiting for a break in forward shipments before buying ahead.

Waxes

Beeswax — Higher asking prices for crude shipments gave the market a firmer undertone. Trading was quiet and spot stocks were quotably unchanged. African crude was quoted at 47c. to 48c. per pound and Central American at 54c. to 55c. per pound, as to quantity.

Carnauba—Trading lacked snap as buying interest continued to lag. Consumers continued to take small lots for actual needs. Prices were nominal, but could have been shaded for ton lots. No. 3 crude was quoted at 94c. to 95c. per pound and refined at 97c. to 99c. per pound, spot according to quantity. No. 1 yellow was quiet and unchanged at $1.24 to $1.26 per pound and No. 2 at $1.22 to $1.24 per pound, as to quantity.

Ouricury—This market continued weak. Refined was lower at 73c. to 74c. per pound, on spot and quotations could have been shaded for sizable lots.

Petrolite Expands Wax Line With Two New Synthetics

The wax division of the Petrolite Corporation, New York, has announced the addition of two new synthetics to its line of waxes. The products are "Estawax" and "Polinel."

"Estawax" is said to be tougher, more flexible and to have a higher melting point than carnauba wax, although comparable in hardness. The material is reported to be well suited for use in the manufacture of phonograph records, solvent paste and liquid polishes. It is available in sample or commercial quantities.

"Polinel" is applicable as an extremely high-gloss paper coating material. Its production in commercial quantities will be announced in the near future, Petrolite said.

Downes Joins Brown

Edward G. Brown, president of Brown Chemicals, has announced that Dan D. Downes has become associated with the company as sales manager, with headquarters at 15 Moore street, New York 4.

Pacific Vegetable Oil Names Agent

Pacific Vegetable Oil Corporation, San Francisco, has appointed the Texas Solvents & Chemicals Company, Houston, Tex., as sales agent, according to an announcement from R. W. Hammond, manager of Pacific Vegetable Oil's industrial sales department.

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5—Labour s/s pumps, 5 and 10 HP motors.

1—#7 Sweetland Filter with 20 steel leaves, 4" centers, NEW 1951.

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1—Tolhurst 18" steel basket Centrifugal, susp., m.d.

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4—3,000 gal. Baker Perkins jack. Mixers.

1—Tolhurst 40" monel Centrifugal.

2—500 gal. Steel jack., agit. Reactors.

1—Ross 9 x 24 High Speed 3-roll Roller Mill.

3—Oliver Vacuum Filters, incl. 8 x 12', 11'6" x 14', 11'6"x18'.

1—4'6" x 7' A. C. Ball Mill, iron lined.

1—Aluminum Sperry Filter Press, 30" x 30", 45 chambers, 1" cake.

3—Mikro Pulverizers, 2SI, 4TH.

1—Hardinge Rotary Classifier, 6' x 14'.

1—Shriver 30" x 30", jacketed, cast iron, Filter Press, 20 chambers, 1".

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4—Ruggles-Coles Direct Heat Rotary Dryers — Class XF4 — 54" x 25', one Class XF 5' x 40'. Also L-B 2'7" x 10' Roto Louvre; three 3' x 50'; 5' x 30'; 5' x 50'; 6' x 40', 6' x 60', 7' x 70'; 4—6' x 50' Louisville Rotary Steam Tube Dryers.

PULVERIZERS: 3—#5047 Raymond High Side, 4 rolls, one mill equipped with "whizzer" type air classifier and oil journals; mill equipped with Raymond exhausters, cyclones and interconnecting piping, two 50 HP 3/60/2200V motors with each of two mills.

FILTERS: 2—#12 Sweetland Filters for 36 leaves on 4" c/c.

MISCELLANEOUS: 8—Pebble Mills, porcelain-lined, 5' dia. x 4'; 2—6' x 8', 800 gals. each.

6—Devine #28 Vac. Shelf Dryers, each 20 shelves 59" x 78", complete.

10—Shriver 42" x 42", Cast Iron Filter Presses, P & F, 18, 27, 36, 54 chambers, 1" cake.

16—Sperry—18" x 18", Cast Iron, P. & F, Filter Presses, closed del., 11 chambers.

1—Stainless Steel Tank, 13,500 gal., closed, agitated, S/S coils, geared, 7½ HP motor.

2—700 gal. jack. closed Kettle, with Turbo Mixers.

1—Quadruple Effect Evaporator, calandria type, brass tubes, 14,000 sq. ft. H.S.; excellent condition; still erected; complete with piping, etc.

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1—Patterson Stainless Steel Autoclave, 225 gals. cap., 225 PSI Internal with Agitator and Drive.

20—Stainless Steel Jacketed Kettles, 380 gals. cap.

1—Lee Stainless Steel Jacketed Kettle, 10 gals. cap., 125 PSI Jacketed.

1—Pfaudler Glass-Lined Jacketed Vacuum Reactor, 500 gals. cap.

1—Glascote Glass-Lined Jacketed Vacuum Reactor, 1,600 gals. cap.

3—Stainless Steel Storage Tanks, 850 gals. cap. each.

1—Stainless Steel Storage Tank, 16,000 gals. cap.

1—Baker Perkins Stainless Steel Jacketed Vacuum Mixer, Size 4, Sigma Blades with Motor, 0.7 gals. working cap.

2—Shriver Cast Iron 24" x 24" Plate & Frame Filter Press, 3 Eye, Closed Delivery, 23 Chambers each.

1—L. O. Koven Stainless Steel Clad Tank, 1,200 gals. cap.

1—J. H. Day Vacuum Mogul Mixer, 2½ gals., Sigma Blades with 5 HP Explosion Proof Motor.

1—Struthers-Wells Hastelloy B Heat Exchanger, 450 sq. ft.

2—Downington Stainless Steel Heat Exchanger, 500 sq. ft. each.

1—Vulcan Rotary Kiln, 7' x 120'.

1—Stokes Vacuum Shelf Dryer, Model #138-H-12, 12 Shelves.

1—J. P. Devine Vacuum Shelf Dryer, 9 Shelves.

2—Buflovak Vacuum Shelf Dryers, 20 Shelves.

1—Louisville Rotary Steam Tube Dryer, 6' x 50'.

3—Shriver Aluminum Plate & Frame 24"x24" Filter Presses, Closed Delivery, 35 Chambers.

1—Sperry Aluminum Plate & Frame 42"x42" Filter Press, 3" Frames, Closed Delivery.

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2—Tolhurst 32", 26" Suspended Centrifugals, Monel perforated baskets, motor driven.

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3—Buflovak 5'x12' Atmospheric Double Drum Dryers.

3—Devine #27 Double Door Vacuum Shelf Dryers, 17—59"x78" shelves.

2—Stokes 30"x8', 3'x15' Rotary Vacuum Dryers.

1—Link Belt Monel 2'7"x8' Roto-Louvre Dryer.

1—Vulcan 4½'x50' Rotary Dryer, ⅜" shell.

1—Albright Nell 60"x80" Single Drum Dryer or Flaker.

1—Hardinge 4½'x16" Conical Steel Lined Ball Mill.

4—Oliver 3'x1', 4'x5', 8'x12', 11'6"x18' Rotary Vacuum Filters.

3—#7 Sweetland Filters with 27 leaves on 3" centers.

3—Shriver 36"x36" C.I. Filter Presses, P&F, 30 chambers, closed delivery.

4—Sperry 24"x24" C.I. Filter Presses, P&F, 16 chambers, closed delivery.

1—Sperry 24"x24" Aluminum Filter Press, P&F, 22 chambers, open delivery.

4—Groen 150, 125 gal. SS, jacketed, agitated Kettles.

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1—Pfaudler 350 gal. glass-lined, jacketed, agitated Reactor.

2—Pfaudler 100 gal. glass-lined Stills with glass-lined Condensers and Receivers.

2—Sharples P-16 Monel pressuretite Centrifuges.

1—Tubular Heat Exchanger, SS, 225 sq. ft.

1—Bird 18"x28" steel, solid bowl, Continuous Filter.

2—Baker Perkins 100, 50 gal. double arm, jacketed Mixers, Sigma-Blades.

1—Eimco 4'x4' Rotary Vacuum Filter with motors, pumps, piping, all on steel base.

2—Raymond 4 roll, high side Mills.

1—#12 Sweetland Filter with 36 steel leaves, 4" centers.

1—Robinson 40"x104" Triple Deck Sifter.

1—Vertical Steel Storage Tank 30'x26', 135,000 gals.

1—Baker Perkins #17½ RVM Double Arm, Jacketed Mixer, 325 gals., NEW.

2—Day 50, 20 gal. SS Double Arm Mixers.

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1—300 gal. Stainless Steel Vacuum Still, T316, direct fired.
1—Stainless Steel T316 Packed Column, 2' dia. x 6'8" H.
7—Stainless Steel Coil and Tub. Condensers 400, 330, 40 & 8½ sq. ft.
2—Kux Rotary Pellet Presses, model 25, 21 & 25 punch.
6—Stokes Rotary Tablet Presses, B-2, D-3, D-4; 16-punch.
1—Ball & Jewell #1½ Rotary Cutter, stainless steel.
3—Mikro Pulverizers #1-SH, #2-S1, #2-TH.
1—Williams Hammer Mill, Size A, Type AK, Stainless Steel.
1—Hardinge Conical Ball Mill, 4'6" dia. x 24", steel liner.
1—Paul Abbe #6 Porcelain Lined Pebble Mill, 32"x36".
1—Paul Abbe #4A Buhrstone Lined Pebble Mill, 45"x48".
2—Bird 48" dia. Suspended Centrifugals Stainless Steel Perforated Basket, Plow, Bottom Discharge, 15 H. P. motor.
1—Fletcher 30" Jr. Centrifugal T304 S.S., solid basket.
1—Sharples #16 Super Centrifuge, Stainless Steel.
4—DeLaval Centrifugal Oil Purifiers, models 600, 74-11 and 94-01.
3—Filter Presses, 30" & 36", rubber covered P&F, closed dely., washing.
1—Rotary Vacuum Filter, 8'x8' acid-proof, precoat.
1—Feinc Rotary Vacuum Filter, 4'6" dia. x 6' face, aluminum.
2—Sweetland Filters, #10, & #12.
1—Klein Stainless Steel Pressure Leaf Filter, 97 sq. ft.
1—Niagara #275 Pressure Leaf Filter, 267 sq. ft., monel covered leaves, Heresite lined tanks.
8—Horiz. Ribbon Type Powder Mixers—100 lb. to 2,000 lb. sizes.
1—Broughton style A, size 1, horiz. double arm powder mixer, 50 cu. ft.

NOW LIQUIDATING
Manufacturing and packaging equipment of Chemical Manufacturing and Distributing Co., Easton, Pa.
Powder Mixers and Fillers, Scales, Pumps, Tanks, Kettles, 500 gal. Pfaudler glass lined Kettle, (2) 10,000 gal. Vertical Closed Rubber Lined Tanks with 25 HP Turbo Agitators.

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1—New Tolhurst 48" S.S. Center Slung Centrifuge.
3—Lee 300 Gal. S.S. Jack. Tanks with D.M. Agitators.
4—S.S. Jack. Kettles, 125 to 150 Gal. with D.M. Agitators.
4—Aluminum Tubular Condensers, 100 and 160 sq. ft.
1—Buflovak 6' dia. Vacuum Crystallizer.
1—Stokes #138 Vac. Shelf Dryer, Six 24" x 36" shelves.
1—Sweetland #12 Filter.
5—Filter Presses 18" to 42" Wd. Plate & Frame.
2—Sperry 36" C.I. & Wood Filter Presses, Hyd. Closures.
2—Shriver 12" & 18" Alum. Plate & Frame Filter Presses.
2—Dopp Cast Iron Kettles, 250 & 800 Gals. with Agitators.
1—Type 347 S.S. 950 Gal. Jack. Kettle.
5—Abbe Jar & Pebble Mills, 1 to 75 Gals.
2—Lab. 3-roller Mills, 2½"x5" and 4"x8".
1—Mikro Bantam SH S.S. Pulverizer.
2—Mikro 2 TH Pulverizers, 10 H.P.
1—Gruendler W.B. Jr. Pulverizer, 10 H.P.
4—Stokes 212C Hi-Vac. Pumps—100 CFM.
1—Rotex Screen, 40"x120"—M.D.
3—Alum. Bubble Cap Columns, 27" & 36".
2—Economic Type Erie City Boilers, 200 H.P., 150# W.P.
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2—Allbr. Nell 4'x9 Atmos. Drum Dryers.
1—Proctor & Schwartz 6 fan automatic 3 apron Conveyor Dryer.
1—Buffalo Vac. Drum Dryer, 24"x20". Also Rotary Vac. Dryers & Vac. Shelf Dryers.
Gehnrich Gas Fired Dryer, 12 trays, 21"x32"
6—Steam, gas & elect. Dryers.
8—Rotary Dryers, Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

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6—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26", 30", 40" & 48", Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges, 2 HP, also No. 6.
2—De Laval Multi Clarifiers, 300 & 301.

FILTERS
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
10—Sperry and Shriver, 12", 18", 24", 30", & 36" iron Filter Presses.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS
2—Pfaudler 500 gal. vert. Glass Lined Tanks.
Dopp 350 gal. agit. Jack. C. I. Vac. Kettle.
Devine 36" dia. Impregnating Unit: closed Jack. Liquor & Impregnating Kettle.
100 gal. Jack. Impregnating Kettle.
1,000 gal. vert. agit. Stainless Steel Tank.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
8—Jack Kettles, 50 to 2500 gals.
1—250 gal. Lead lined Kettle.
Stainless, alum., Copper, Glass Lined, Lead Lined Kettles and Tanks.
New Stainless Tanks, 50 to 500 gals
4—Steel welded horiz. Tanks, 10,000 & 5,000 gals.
Copper Varnish Kettles, 150 to 300 gals.

PULVERIZERS AND MILLS
2—Abbe Pebble Mills, 24"x33". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills.
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22", 9"x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x36" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS
Baker Perkins double arm Mixers, 100, 50, 9 gals. & 4½ gals. Also single arm Mixers.
Lancaster size 3 Pan Mixer 7½ H.P.
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10—Dry Powder Mixers, 50 to 2,000 lbs.
Day 40 & 15 gal. Pony Mixers.
13—Portable Elec. Mixers, ¼ to 2 HP.
6—Lead and Paste Mixers, to 150 gals.

MISC. AND SPECIALS
2—Buffalo 6' dia. vac. crystallizers.
4—Stokes & Colton Rotary and Single Punch Tablet Machines, ½ to 3".
4—French Oil 400 Ton Linseed & Cottonseed Hydr. Presses.
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers.
Filling Machines, liquid paste, powder.
Elgin Capper, ½ H.P. Motor driven.
2—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36".
1—Gould 75 HP 2 stage centrif. Pump 250# WP.
4—Stokes Vertical High Vac. Pumps.
2—Worth 12"x12"x12" Vac. Pumps.
6—Devine & Buffalo Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc. Centrif., Rotary, Duplex & Triplex Pumps, Boilers—Gas, Oil & Coal Water Stills.

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STEIN EQUIP'T CO.
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FDA Revises Regulations

—Continued from page 3

packaged to contain a single dose of procaine penicillin in streptomycin sulphate solution be packaged in glass.

Dipenicillin G Deletion

Also, for deletion of the requirement that dibenzylethylenediamine dipenicillin G for aqueous injection packaged for dispensing and intended solely for veterinary use and conspicuously so labeled bear the prescription legend; for a change in the minimum potency of bacitracin-polymyxin ointment from 400 units to 200 units per gram of bacitracin and from 8,000 units to 4,000 units of polymyxin per gram of ointment.

Also, for bacitracin-polymyxin ointment that is in liquid form to be packed in immediate containers of transparent glass; and for the statements "Shake well" and "Not for injection" to appear on the labels of the glass containers of bacitracin-polymyxin ointment.

"Geared to Serve You"
3—New Lightnin 3 H.P. Portable Agitators.
1—Day 400-lb. Mixer and Sifter, M.D.
8—500-gal. Stainless Steel Tanks.
4—Explosion Proof ½ H.P. portable agitators.
1—Day 1500-lb. Mixer, M.D.
1—Fitzpatrick Model D S H.P. Comminutor.
1—Sharples #16 Super Clarifier S/S construction.
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Mills: Lehman 5 roll water cooled 12x32.
Paint Mixers: O&T, Kestner & Hecht, Day.
Paint Mills: Day, Lehman, etc., solid rolls.
Pwdr. Mixers: ribbon, tumbler, 50 to 3000#.
Dough Mixers: sgl. or dbl. arm, pl., jktd.
Fillers: powder, liquid, paste.
Kettles: stainless, steel—jktd., plain.
Labelers: spot, can—auto. semi.
Baker Perkins Mixers, style VIH, jktd., tilting, 100 gal. working capacity.
Highest class reconditioning—done in our own shops. We also purchase entire plants or single items.

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PEBBLE MILLS—Lab, 30x33 to 6'x8', Ball, 24x18, w/motors.
HAMMER MILLS—Wms. LG. 1—Reg. #1—8X825—GA30—w/motors.
SCREENS—Grt. Wstrn, 8" Lab, Hummer 3x5—single, double, triple deck.
FILTER PRESSES—24" w/28 p&f, clsd. del.—30" w/26 & 29 p&f open wash.
JAW CRUSHERS — 8x14 — 11x20 — 12x28—24x36.
ALUMINUM KETTLES—Agitated, jacketed—250—450 gal.
FORK LIFT—Tow Motor, 4,000# Gasoline.
PUMP—Viking 4" w/15 HP motor.
CONDENSER — Copper tube, unused, 12"x88", steel 24"x20'.
SCREW CONVEYOR — 14" w/trough, 50', unused.
TANKS — 10,000, 12,000, 15,000 gal., steel.

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FOR SALE
2—Motor Driven #2S1 Mikro Pulverizers, Practically Brand New.
1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 500 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Eppenbach Stainless Steel Home Mixer with a 7½ hp Explosion-Proof Motor.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.
Specializing in Rebuilt Machinery
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LOWER PLANT INVESTMENT WITH GOOD REBUILT EQUIPMENT

3499	NEW steel double ribbon Mixers; 24 cu. ft.; 30, 50 and 70 cu. ft.
3448	NEW Stainless Steel Ribbon Mixer; 24" x 96"; center discharge.
3333	Sprout Waldron Double Ribbon Mixers; 233 cu. ft.; 5' x 10'.
3102	J. H. Day Ribbon Mixer; Model 3' x 8'9"; with Sifter.
3474	Stainless Tumbling Batch Mixer; 25" x 5'9" with Motor.
3302	Stainless Tumbling Mixer 5' x 5' with 3 HP motor.
3505	Robinson Stainless Mixer; 8" x 24" x 26" with Sifter; 2 HP.
M29-207	Eirsmueller 4000 lb. Dry Mixer; 4' x 12'; 25 HP motor.
M29-206	Patterson Conical Blender, 135 cu. ft.; 15 HP motor.
3427-P5	Marquette Paddle Mixer; 24" x 12'.
3330	Vertical Powder Mixer, continuous or batch; 40" x 94".
M29-111	J. H. Day Jumbo Mixer; 44" x 78" complete with motor.
3295 E S	J. H. Day Stainless 3 Gal. Double Arm Jacketed Mixer with Vacuum Cover.
2691	Baker-Perkins 50 Gal. Double Arm Jacketed Mixer—15 HP.
2337	W. & P. type Jacketed Double Arm 100 Gal. working cap. geared both ends; power tilting.

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FILTRATION and SEPARATION
2—Shriver & Sperry stainless steel 24" filter presses, closed delivery, one New, with hydraulic closing device.
1—Shriver 24" aluminum filter press, closed delivery, washing.
6—Sperry 36" wood plate and frame filter presses.
2—Independent 32" filter press skeletons.
3—Sperry 30", 24" & 18" skeletons for filter presses.
1—Sperry 18" bronze filter press, closed delivery, washing.
4—Shriver 7" x 7" cast iron filter presses.
1—Lot 30" & 24" cast iron filter press plates and frames.
1—Sharples stainless steel Super-D-Canter, 15 HP. XP.
1—Eimco 4' x 1' steel rotary vacuum filter, complete.
1—Klein stainless steel 100 sq. ft. filter, complete.
2—Sparkler 14D4 stainless steel and hastelloy filters, one jacketed & New.
1—Dorr rake Classifier, MD, complete, rubber covered—24" x 40'.
3—40" x 36" stainless steel centrifugal, baskets only.
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New Oliver 3' x 6' Precoat Vacuum Filter.
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Raymond 6' Double Whizzer Separator.
1,000 Gal. Pfaudler "X-L" Reactor. Agit.
Dings Type I-R Magnetic Seprtr. 3 roll 30".
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New Sharples PY-14 Super-D-Cantor. S.S.
3—Calif. Press S.S. Screw Presses. 4' screw.
A T & M 30" Solid Steel Bas. Centrifuge.
Buflovak 42" x 108" Double Drum Dryer.
Eimco 8' x 8' Rotary Vacuum Filter.
Oliver 5'6" x 10' Rotary Vacuum Filter.
Shriver 30" C. I. Filter Press, 29 plts. frms.
Rotex No 52 Screen, 2 deck, 60" x 120".
New Fletcher 40" Cent. Steel basket.
Sperry 18" bronze Filter, 25 rec. plts.
2,500 Gal. Monel Vacuum Tank. New.
2,500 Gal. S.S. Vacuum Pan. Complete.
2 Stokes High Vacuum Pumps.
Sweetland No. 7 Filter, 41 br. leaves.
Rietz Disintegrator, RD-18, 100 HP motor.
Moore 4' x 5' Ball Mill, 15 HP gearhd motor.
40 HP Hammermill, infeed screw & hopper.
Abbe Lenhart Liquid Mixer, 330 Gal. 30 HP.
Vulcan Briquetting Press, 10-12 tons PH.
Worthgtn. Vac. Pump. 18"x9", 421 CFM 27".

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Pebble Mills: 5 gal. to 250 gal.
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Clarifiers: Sharples Vaportite st. steel.
Centrifugals: 26" and 30" Tolhurst.
Mixer: Read dbl. arm, 380 gal., st. steel.
Disintegrator: Rietz 40 hp.
Clarifiers: De Laval 84-51, motor dr.
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Vacuum Pumps: Nash AL-6 and H5.
Filters: Sparkler, Alsop, Ertel, Industrial.
Mill: 12x24" Farrel-Birmingham, 25 hp.
Tank: 1000 gal., type 316, stain. steel.
Vacuum Pan: Stokes 25 gal st steel, jacktd.
Powder Mixers: 100 to 2,000 lbs.
Filter Presses: 7" to 24", Sperry, Shriver.
Colloid Mills: Premier, Charlotte—st steel.
Tanks: 3,000 gal. vert. dairy gl. lined jktd.

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3407	Buffalo Vacuum Chamber Dryer; 20 shelves 40" x 42" with vacuum pump, condenser, receiver, etc.
3289	Stokes 16 Shelf Steam Heated Dryer; 3' x 3'; 6'10" overall.
1200U	Koch Tray Type Electric Ovens; 56" x 69" x 72" with controls.
3259	Horizontal Dryers 66" x 14'7" long; with tracks; 2-1/2" steam pipe with capstan closing doors each end.
1300 McA	2 Struthers Wells Stainless Drum Dryers 5' x 10' complete with accessories.
3026	Buffalo Rotary Vacuum chrome plated Drum Dryer; 5' x 12' with accessories.
1100	Buffalo Rotary Vacuum Drum Dryer, bronze, 5' x 12' with accessories.
1101	Devine Vacuum Drum Dryer, bronze, 52" x 10'6".
3414	Rotary Drum Dryer with steam heated nickel drum; 48" x 46".
2877	Buflovak Double Drum Dryer; 32" x 72" with accessories.
3316	Bagley & Sewell Double Drum Dryer; 28" x 60".
3053	Procter & Schwartz Continuous Apron Dryer; 43'6" long, 7'6" wide, 14'6" high; apron width 36"; complete with accessories.

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SPECIALS FOR NOVEMBER

NEW TANKS

25,000 gal. 10'6"x39'x¼" / 5/16".
15,000 gal. 10'6"x23'x¼" / 5/16".
12,000 gal. 8' x 32' x ¼" or 5/16".
10,000 gal. 10' x 18' x ¼".
8,500 gal. vert. 8' x 23' x 5/16".
4,100 gal. vert. 5' x 28' x ¼".

USED TANKS

30,000 gal. 10' x 47' ASME, 50 PSI.
16,000 gal. 96" x 45' x ¾" ASME, 150 PSI.
8,200 gal. 70" x 40' x 2" 390 PSI.
6,000 gal. 8'x15'x⅜" ALUMINUM.
3,400 gal. 7'4" x 10' x ⅜" type 430 SS.
6,500 gal. TANK CAR TANKS.

KILNS—COOLERS—DRYERS

10' x 90' x 9/16" Allis-Chalmers.
8' x 80' x ¾" Vulcan.
7'6" & 6'6" x 125' x ½".
7' x 160' x ⅝" & ¾" (2).
7' x 120' x ¾".
7' x 60' x ⅜" with lifters.
6' x 27' Louisville, 4½" SS tubes.
502-20 Roto-Louvre.
5' x 30' x ⅜" Ruggles Cole.
4'6" x 50' x ¼" with lifters.
4' x 35' x ½" with burner.

AGITATORS—1 to 10 HP.
AUTOCLAVES—2,000 gal., 200 PSI.
BLENDERS—Batch, 157 cu. ft.
BOILER—2 HP, 100 PSI, gas.
CENTRIFUGE—40" SS, Fletcher.
CENTRIFUGE—24" Bird, Type CH, SS series 200.
CLASSIFIER—Dorr DSHF.
COLUMN—SS 347, 6'x29', 21 trays.
CONDENSER—Scraper, Aluminum.
CONVEYOR—Belt, 375' cc. 18".
CONVEYOR—Apron, 34' cc. 36".
DRYER—Atmospheric, 5'x6'.
DRYER—Rotary, Vac. 30"x8'.
FILTER—P&F Sperry 12" Aluminum.
FILTER—Sweetland #7.
FILTER—Rotary 8'x10'.
FILTER—Rotary 8'x8' lead covered.
FURNACE—Rotary, Bruckner.
HEAT EXCHANGERS—1,035 sq. ft. 4 pass., 250 PSI.
KETTLES — PFAUDLER, 400 & 500 gal.
KOMBINATOR—K200 SS.
MAGNETIC BELTS—90" cc. 30".
MILLS—BALL, 6'x8'.
MILL—TUBE—5'x22'.
MILL—Raymond 4-Roll.
MIXER—PADDLE, 19"x24"x18'.
MIXER—Jacket & agit. 3,900 gal.
MIXER—Double shaft, 140 cu. ft.
PULVERIZER—24"x18" Jeffrey.
SCREENS—4'x7' Tyler.
SEPARATOR—FLIGHT—14'9" cc.
VAPORIZERS, SUBLIMATION—4' x 10'.

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MACHINERY & EQUIPMENT MERCHANTS

Indonesian Palm Oil, Kernel Exports During First Half

Indonesia's exports of palm oil and palm kernels during the first half of 1952, amounting to 47,622 and 14,658 short tons, respectively, were up sharply (57 and 91 percent) from shipments in the comparable period of 1951, reports M. W. Meyer, American Embassy, Djakarta. Oil exports consisted of 35,482 tons to the Netherlands, 11,850 to the United Kingdom, and 290 tons to Germany while 13,360 tons of kernels were consigned to the Netherlands and 1,298 tons to Germany. Current trade agreements concluded by Indonesia with ten European countries and Japan provide for Indonesian exports of palm oil. Trade agreements also call for exports of palm kernels to six European countries and Australia and for exports of palm kernel oil to West Germany and Italy.

Production of palm oil for the first six months was 68,144 tons, or an increase of about one-third from the comparable period of 1951. Second quarter output, however, was down 10 percent from the first quarter. Kernel production for the six-month period amounted to 18,469 tons, or 37 percent above the same period of 1951. All of the kernels and virtually all of the oil were produced in Sumatra.

Paint Technicians Set

—Continued from page 7

Joseph J. Mattiello Lecture, "Unexplored Fields in Exterior Paints," by John R. MacGregor, J. R. MacGregor Lead Company.

The afternoon session on the second day will open with a paper entitled, "The Relationship of Plant and Finished Product Warehouse Capacity," by R. W. George, on behalf of the New England Club. The color symposium, featuring the federation color aptitude test, will follow, with addresses by Dr. D. L. Dimmick and C. E. Foss. This will be followed by the annual business meeting.

A round table discussion on "Corrosion" will take place, with G. Diehlman as moderator and T. Dembski, A. J. Liebman, F. T. Radecke and F. C. Weber, jr., participating.

The opening session on November 22 will start with a paper of the Baltimore (Md.) Club, entitled, "Comparison of Representative Latex Emulsion and Oleoresinous Flat Wall Paints," to be presented by R. L. McGill. A round table discussion on "Pigment Dispersion," will follow, with H. Kelfer as moderator and A. Barkman, W. H. Hoback, C. B. Hoffman, D. E. Leever and O. F. Redd participating.

Acidity in Aluminum Vehicles

The Pittsburgh (Pa.) Club paper, on "Comparative Effect of Oil Acidity and Resin Acidity in Aluminum Vehicles" will be offered by C. N. Beck. A paper on "Testing of Amino Resins for Stoving Finishes," will be presented by J. N. Hitchin, on behalf of the Birmingham (Ala.) Club. The New York Club, represented by E. J. Dunn, jr., will offer a paper entitled, "Dry Hiding Power of Paints, II." A round table discussion, on "Gadgets and Gimmicks," will follow, with W. C. Kentner as moderator and R. G. Fortener, J. R. Kohr, E. R. Mueller and W. E. Winkler participating.

The papers to be offered by the various clubs are being entered in the competition for the *American Paint Journal* awards which are given annually.

NEW AND GOOD-AS-NEW EQUIPMENT

±316 Stainless Steel Tanks, new, 100, 200 & 360 gal.
1—Tank ±430 Chrome, vert., 7'x10' deep.
20—Jacketed Kettles — Stainless, Copper, Aluminum.
1—J. H. Day Steam Jacketed, 50 gal. Sigma Blade Mixer.
1—Copper Evaporator, S. J., 9'1"x3'9".
60—New Pressure Cookers, 18"x18" & 24"x28".
50—Pumps—steam and electric.
1—New Glass Nash Pump, 160 gpm.
1—Jeffrey Vibrating Conveyor, 15'x12".
1—Buflovak Jacketed Impregnating Tank, 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon Type Mixer, steam jacketed.
1—Sharples 16 Stainless Steel Centrifuge.
3—New Drum Rollers.
1—A. F. Bartlett Hog Mill & Motor.
1—Sweetland Filter No. 5—15 leaves.
3—Stainless Steel Jacketed Filters.
4—Tanks, 100,000 gals. each.
1—Shriver 18" Aluminum Filter, 9 P.&F.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.

SPECIAL—:—9—Horizontal Steel Tanks, 12'x27'—16,647 gals. each.
1—Abbe Pebble & Tube Mill, 5'x22'—Burr-Stone Lined.
2—Boilers, Scotch—200 H.P., each with Oil Burners.

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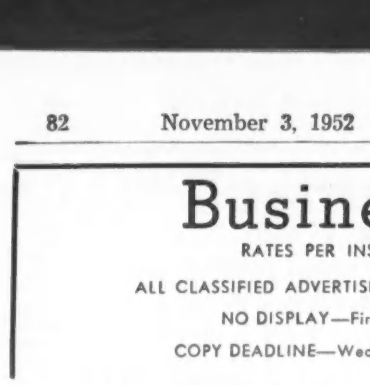

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basic weakness, in my opinion, is in the lack of standards for such testing procedures. Legislation which will require testing without specifying the criteria to be employed will add immeasurably to the existing confusion and do relatively little to protect against hazards which at present do not appear to be appreciable when one compares them with hazards obtaining in other phases of American life. If it was ever needed, this is the time for the cosmetic industry to take initiative, else there is a great danger that the objectives of pre-testing will be lost in a mass of legislative reform."

Household Chemicals Discussed

Speaking on "Household Chemicals," Mr. Sage recorded advances of various products in the home and asked, "What made this progress possible? It is the chemist's answer to the needs and demands of the consumer. Progress in any field will not come if men stand by in fear and trepidation. Let us not spend our time thinking up reasons why we can not make use of modern knowledge or untried products. It is necessary to have a courageous and well-organized plan to bring these unknown products to market. The constant urge to find new uses for new and old chemicals has many sources. The ideas for novel products that issue from the research laboratories, the sales, patent and other departments of organizations are formulated for specific uses and are suggested largely by the recognition of a need. It is a case not only of giving the public what it wants, but of convincing it that it wants it!"

Thomas P. Kearney, director of Industrial Testing Laboratories, New York, was elected secretary of the organization and Percy E. Landolt, of Landolt & Whitney, New York, was elected treasurer. Chosen councilors for three-year terms were:—Harold Becher, consulting chemist; William C. Bowden, jr., director of Ledoux & Co.; Alvin C. Purdy, president of Bull & Roberts, Inc., and Earl D. Stewart, director of research for Schwarz Laboratories, Inc., all of New York, and Reginald S. Dean, of R. S. Dean Laboratories, Inc., Washington, D. C.

Nitraphosphate Output

—Continued from page 3

ing essentials are required:—(1) Availability of raw materials, fuel and power; (2) availability of transportation; (3) adequacy of markets; and (4) competitive costs. A brief outline of Mr. Friedman's review of these factors favorable to a plant in central Wyoming follows:—

Raw Materials, Etc.—Wyoming is favorably situated with respect to raw materials, fuel and power required to produce phosphatic fertilizers by the wet process. Substantial deposits of phosphate rock estimated at upwards of 150,000,000 tons are located in Wyoming, and production currently amounts to about 200,000 tons annually. About 10,000 tons of sulphur would be required for the plant and this can be supplied entirely by sources within the state. Natural gas is available in ample quantities, and since the wet process requires relatively small amounts of power, no difficulty would be experienced on that score.

Transportation Facilities—The key factors affecting selection of a site for the projected fertilizer plant are the locations of the phosphate rock and sulphur sources. Whether one location or the other is used as a site for the fertilizer plant is a matter of close calculation as to comparative costs. Ordinarily it is considered more economical to move phosphate rock than to move sulphuric acid, and more economical to move sulphur than to move rock. In either case, however, adequate rail transportation is available.

Markets—The use of fertilizers in the United States has been climbing steeply for some time. All factors point to continued substantial increases. A seventeen-state area west of Chicago is frequently defined as the most favorable economic area for western phosphates on the basis of competitive supply and transportation costs. Consumption of phosphate fertilizer in this are in 1950 amounted to 350,000 tons; present consumption totals over 400,000 tons, and requirements for 1955 are estimated at a total of about 630,000 tons.

Competitive Costs—The proposed plant would incorporate the latest advances in acidulation technology, permitting a range of phosphoric and nitrogenous fertilizer product blends and combinations not now available from any single plant in the United States. Freight advantages within the seventeen-state area would provide a further competitive gain in relation to fertilizer originating from Florida or Tennessee rock.

P.A.'s-Eye View

—Continued from page 5

coal, coke, pass-through of copper and brass items, fasteners, cottonseed, coconut and palm oils, refractories and steel items. Adjusted down were oxalic and lactic acids, butyl acetate, alcohol, tires, bichromate of soda, cotton linters, corrugated boxes, paper, cartons, grains, hogs, cocoa, ingot molds, jute twine, lanolin, lead, some lumber, menthol, essential oils, linseed and soybeans, wastepaper, rubber, paraffin wax and zinc.

Still hard to get are some items of aluminum; others easing. Also tight are cement, transformers, controls, nickel, pipe, selenium, bar steel and shapes and copper wire. In easing supply are brass, copper, some steel, most chemicals, polyethylene, rubber, sulphur and acid, zinc and lead.

Canada

Canadian purchasing agents' reports show production sharply up in October, with order books holding better than in the states. Price trend about the same. Inventories higher. Employment up. Buying policy of somewhat longer range. Overall, industrial business is very good and expected to hold up through the first quarter of 1953.

Tall Oil Bulletin Published

The Tall Oil Association has published bulletin No. 11, entitled "Tall Oil in Flotation Processes," in its tall oil technical data series. The publication discusses the flotation principle, collectors, modifiers, frothers, flotation plants, phosphate rock flotation, manganese ore flotation, iron ore flotation, and makes reference to flotation of a variety of other minerals with tall oil and other fatty acids.

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The General Services Administration has announced that it is accepting "half-trimmed" mica at its Spruce Pine, N. C.; Custer, S. D., and Franklin, N. H., buying stations. The original regulations provided only for the purchase of full-trimmed mica.

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